

AI Monday Compendium

2020

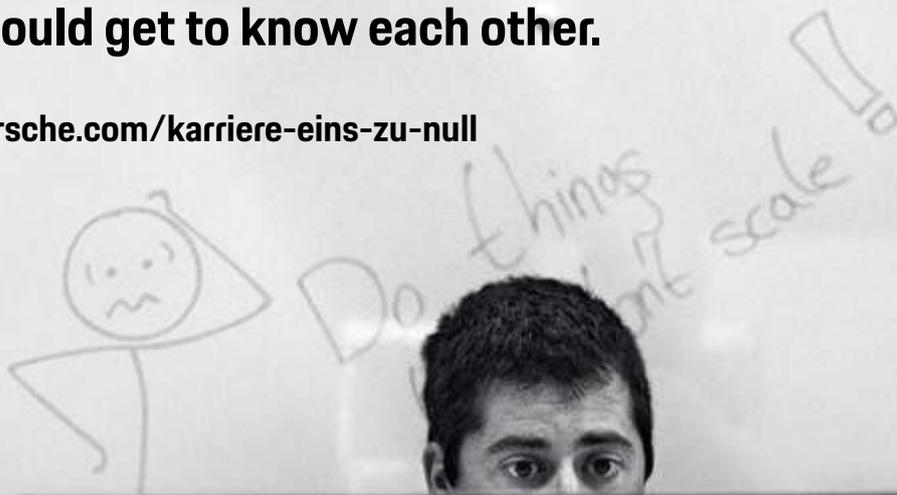
Two Years AI Monday
at a glance
March 2020

Taival
www.taival.com
info@taival.com



**You're kind of a nerd.
We're kind of nerds.
We should get to know each other.**

www.porsche.com/karriere-eins-zu-null



No videos



PORSCHE

INTRO

AI Monday Compendium

What a journey? At Taival we carefully observe all trends and new technologies and evaluate its potential to drive disruptive change and innovation. Back in 2017 when we established Taival, we saw that the discussion around AI was often very technology centric and driven by the engineering department. We strongly believe, to harvest the value of AI for businesses, the discussion should shift towards concrete business use cases and value driven pilots. Conceptualized under the working title “AI fireside chat”, we quickly came up with the idea of utilizing a concept of a mix of the TED talk format and “Mobile Monday” that had conquered the world years before and to call our event “AI Monday” as a recognition to these early technology pioneers. From there the journey took off and we are excited to see how our small idea has grown and engaged a wide community of business and technology professionals.

Since then we had over 40 events in 8 cities: Helsinki, Berlin, Stuttgart, Leipzig, Singapore, Munich, Málaga and Copenhagen. With changing locations in every city, we have reached a diverse community of over 5.000 technology and business professionals. And the community is growing fast.

At the heart of the event are our 170+ speakers. We are extremely thankful for their contribution to making this event what it is today. To capture their perspectives on AI and as a small thank you we came up with the idea of this Compendium. To showcase every speaker once again and to enable the community to connect and grow.

This brings me to the last and most important point about AI Monday and this Compendium: It's all about exchange, inspiration and collaboration. The aim is to connect with the community and to learn. To tap into an ecosystem of companies that actively create, research, support or leverage AI in all of its diverse forms.

So please use this paper to connect with the speakers, the partner companies that helped us organize the events and the companies that are presenting themselves in this paper. And we are naturally more than happy to hear from all of you out there, the AI Monday community.

At Taival we are happy to support you on your journey to leverage AI: from basic education or driving awareness in your company, from finding the right use cases to leverage the various forms of AI to generate value for your business, but also to strategically set yourself up for success and plan your journey. With our ecosystem of AI experts in the various fields we can support a diverse range of use cases and help prototype those or support in the transformation journey.

Feel free to get in touch if you want to exchange ideas or learn more.

See you at one of our future events!

JURI STOBBE, PARTNER TAIVAL GERMANY



223

companies



4,900

employees



60

scholars

Berlin is a hub for Artificial Intelligence with an ever-growing number of companies, Start-ups and research institutions pushing innovation to the next level. In the field of artificial intelligence, the city already boasts 223 companies, over 4,900 employees and a turnover € 0.5 billion, making it the place to be for AI in Germany.

The AI research community has grown rapidly, with more than 60 scholars carrying out research in Berlin on AI-related subjects. However, the very technology that innovators and visionaries are revelling in is causing concern among sceptics and doomsday theorists, some of whom fear a scenario in which machines outperform human beings and ultimately take over the world. But no worries, you're not going to run into an Ex Machina in the German capital, nor is Berlin's Plänterwald the new Westworld. And rest assured that AI is not able to either replace or outdo humans – at least not yet.

To overcome fears and concerns about this new technology, we need to talk about it. Over the last years, the AI Monday has become the voice of this versatile community. From healthcare over mobility to art: AI is being applied in all different sectors. Speakers from various backgrounds have presented the latest in AI research and have showcased their innovative solutions. Together, we have created a network of AI futurists and realists, a thriving community that exchanges not only ideas but also enriches the local economy.

I am looking forward to many more Mondays and to a wide array of innovations in AI.

DR. STEFAN FRANZKE
GESCHÄFTSFÜHRER BERLIN PARTNER

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in one of the following ways:

- www.linkedin.com/company/taival.
- www.twitter.com/taival_
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14 AI TRENDS MAKING WAVES IN 2020

We all know artificial intelligence (AI) is a game-changing technology in every way, but with such a broad application scope and novel discoveries every day, what are the important trends that could impact us in 2020? We have selected a few trends for AI in 2020 that we think will have major impacts both for the year ahead, and years to come.



52 HELSINKI



80 STUTTGART /
TÜBINGEN

INTRO

We are Taival. Disruption consultancy.

Today's rapidly changing world is no longer made for those who walk the beaten path, but for those who dare to pioneer their own. Only the fearless, the willing, can make a difference in this hectic data-driven environment. Yet even the bravest of adventurers needs a trusted companion. A local guide to help you map unexplored paths, guide you assertively through hostile terrains, and encourage you to carry on. That's us. We're the sherpas in your climb. We exist to get you there safely and to enjoy the spoils of a victorious business journey.

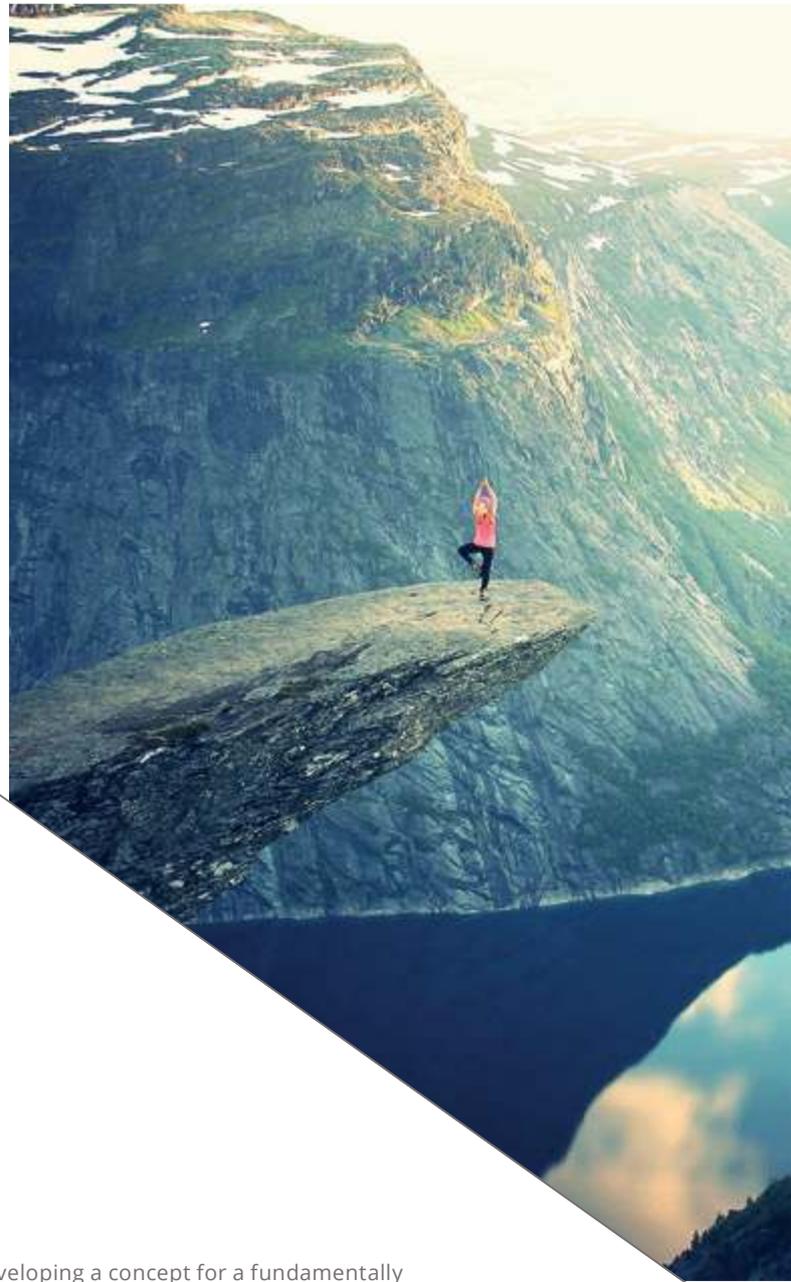
OUR STORY

Our founders Reko, Jouni, Petri and Michael did know each other from working together for a long time but it was in 2016 when they came up with a joint idea that would change their careers and their lives. In summer 2016 the founding partners grew increasingly frustrated with the consulting services they saw the traditional strategy and management consulting players offer to companies as they were not creating the value they claimed to provide. Based on that experience they

started developing a concept for a fundamentally different type of advisory service that was focused on co-creating relevant outcomes and value together with their clients. In November 2016 at Slush on the Startup Refugees platform the four founding partner shook hands on establishing Taival to revolutionize the business & technology strategy consulting scene. It took another 4 months until Taival was officially launched in March 2017.

AND THE NAME?

Taival is a Finnish word meaning a travel or a quest. It often refers to a memorable, transformative journey full of both excitement and effort. Taival is the fourth most used word by Finnish poets. Michael found the word and thought that it represented the idea of Taival to jointly achieve new heights by mastering the challenging business journeys of today.





Business is all about the conquest.

The great exploration.

The constant hunt for greater heights.

TAIVAL

What we believe in:

Integrity

VALUE

We do the right thing if someone is watching or not.

Courage

VALUE

We have the courage to ask the tough questions and to challenge ourselves and others.

Curiosity

VALUE

We know that we do not know everything but we are always eager to expand our horizon.

Respect

VALUE

We value people for who they are and the ideas and perspectives they bring.

Teamwork

VALUE

We achieve and grow together. We share openly and provide each other support and feedback.

How to identify and unleash the power of AI for your business.

THE TAIVAL AI OFFERING

We provide services and expertise in three areas: Education & Workshops, Strategy & Transformation as well as support in developing Proof of Concepts together with our ecosystem partner. We have contacts to the best AI start-ups and experts plus with AI Monday a regular meet-up on various AI related topics.

AI discussions often circle around topic like data and what technology is needed. We believe value of AI is first and foremost realized by people – not just machines.

While the value growth for revenue generated through AI is phenomenal – many areas of application depend on enhancing the human workforce. But the humans are not too keen on co-operation. Often afraid of change, the unknown or the future AI super power that might dominate / even control them.

WE BELIEVE IN ORDER TO CREATE VALUE FROM AI YOU NEED:

1. Data
2. Computing power
3. Skilled people
4. Change Mindset
5. Curiosity

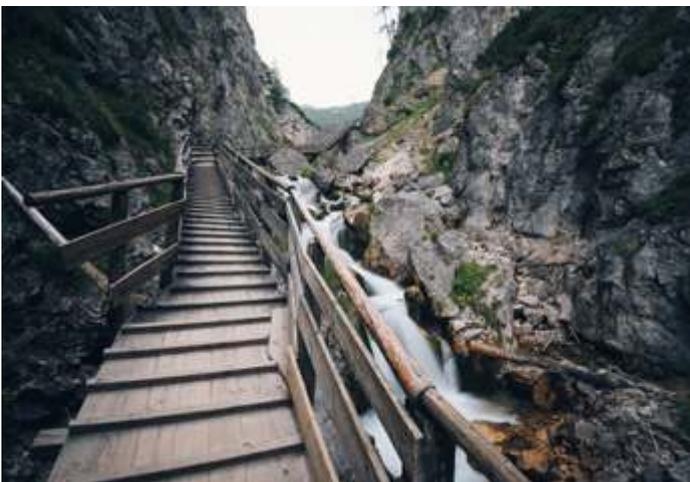
So to be successful you need to focus first on education. Keep your non-AI humans engaged and productive by changing their mindset:

- EDUCATE
- ENERGIZE
- EMPOWER

Secondly you need an agile strategy. The rate of developments for AI is steep right now with new inventions every week. What's possible now will be totally different vs. what's possible in 3-5 years. So your plan needs to advance in decided steps... start with one challenge or process automation. Improve, adjust quickly, reiterate. Your strategy needs to support this different way of operating.

FINALLY, HOW TO GET STARTED:

1. Create an AI vision
2. Find a problem worth solving
3. Check you have the all the things needed to create value
4. Try – fail fast – repeat
5. Communicate and repeat the cycle by adjusting where needed.



HERE SOME EXAMPLES OF HOW TAIVAL SUPPORTS COMPANIES ON THEIR JOURNEY TO LEVERAGE AI.

AI RAPID EXPLORATION

Identify the most potential AI use cases for your business and explore the business potential available to you. This can be done using our AI Design Sprint approach.

AI FOCUSED PROCESS ANALYSIS

By using real-life data to draw a fact-based picture of how a specific process area is performing and how it could be improved using AI technology.

AI AWARENESS & EDUCATION

Building the awareness and knowledge of your team is critical for driving sustainable change. We will help you in accelerating the understanding of AI in your teams to enable the organization to identify relevant use cases.

AGILE AI STRATEGY DEVELOPMENT

Disruptive times call for agile strategy. We will help you in defining your Agile AI strategy and change the way you and your people do strategy forever.

ALIGNED BUSINESS & AI TECH VISION

AI teams and their vision and strategy are often not directly aligned with business strategy. We will help you position your AI technology team as a key enabler for your overall business strategy.

AI STRATEGY EXECUTION & TRANSFORMATION

Let's define the way how-to rapidly execute on your developed AI strategy to stay ahead of the competition. And to stay agile and adjust with every new learning.

AI ENABLED ARCHITECTURE

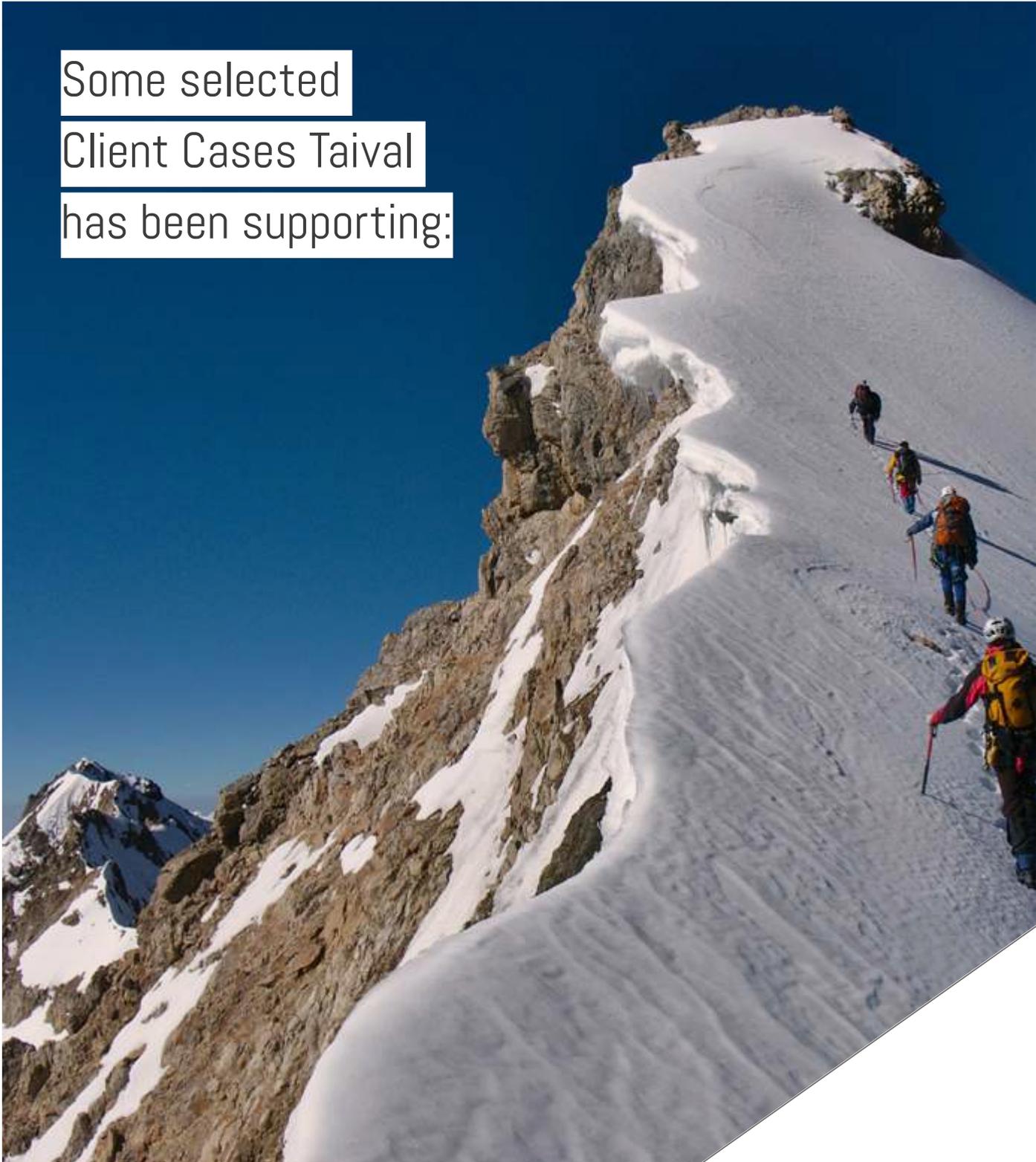
Building a strong foundation for your business is critical. We will work with your business and IT teams to develop a business and IT architecture that supports your strategic goals with the right business capabilities supported by AI technology.



Companies that will succeed with AI are the ones that focus on creating organizational learning and changing organizational DNA

KARTIK HOSANAGAR,
PROFESSOR OF TECHNOLOGY AND DIGITAL
BUSINESS, COFOUNDER OF YODLE

Some selected
Client Cases Taival
has been supporting:





Lean AI Technology Exploration for a Global High-Tech company

The client was looking to rapidly identify relevant AI technologies and solutions in order to develop a catalogue of relevant, proven solutions for their business stakeholder. Taival worked closely with client team to develop a Lean AI Technology Exploration Framework that accelerates the AI technology and start-up exploration. Utilizing Taival's AI start-up database with 3.600 AI start-ups the framework was then tested by identifying 5 PoC candidates for further evaluation

AI Executive Awareness Training for a Nordic Beverage company

The client aimed to strengthen the understanding of AI among its leadership team to accelerate the exploration and adoption of AI across the organization. Taival conducted an executive training session providing the leadership team with a basic understanding of AI as well as an overview of the latest trends, developments and use cases. Furthermore, the leadership team worked to identify concrete use cases within the context of its business to explore the value potential AI could provide within the organization.

Rapid Digital Exploration for a leading European manufacturer of double deck rolling stock

This client developed his field service and maintenance processes to meet the growing quality and performance needs of their customers. Taival worked closely with the client team in executing a rapid digital exploration project using service design tools and methods to identify new use cases and business models. As part of the project the joint team verified focus areas and identified & explored relevant digital capabilities and use cases in field service and maintenance, performed a market study of competitors and potential business partners and created a high-level roadmap to combine the use cases with the current development roadmap.

AI trends making waves in 2020

We all know artificial intelligence (AI) is a game-changing technology in every way, but with such a broad application scope and novel discoveries every day, what are the important trends that could impact us in 2020? We have selected a few trends for AI in 2020 that we think will have major impacts both for the year ahead, and years to come.

HEALTHCARE

There have already been breakthroughs in sectors of healthcare due to AI. New antibiotics able to treat antibiotic-resistant bacteria, faster and more efficient methods of treating central nervous systems issues such as obsessive compulsive disorder and better mapping of genetics leading to risk factors inherent in your DNA being found before they become symptomatic. Recently the first AI-generated medicinal treatments have made it through to clinical trials, at a fraction of the usual research time which is generally spent using traditional methods (12 months versus 5 years), and higher chances that the medications will perform well in human clinical trials. The implications are mostly positive in this sector, specifically the decreased testing times, as this means more medications can make it to the market in a shorter time span.

This allows for faster treatment and most notably, treatments that are completely novel in the medical sphere. These treatments could allow many illnesses to be cured in way that was impossible before. Faster diagnosis times using AI to map genetics, risk factors and symptoms also lead to a vast increase in the efficiency and effectiveness of treatments. From cancer diagnoses to simple bacterial infections, this is a major improvement that will surely revolutionize the world and is expected to accelerate rapidly in 2020.

In the case of novel viruses, such as the Covid-19 pandemic which is currently sweeping the globe, AI will enable doctors and researchers to bring vaccines and treatments to market at a far faster rate. Moving through the research and clinical trial phases faster, means novel infections can be treated far faster, and the spread and severity can be minimized. AI can also be used to “find” novel diseases by observing illness trends throughout the world and pinpointing clusters of unusual diseases. In December 2019, Covid-19 was “found” by an AI algorithm, far before it began to rapidly spread. If such AI algorithms became the norm, what other viruses could we prevent from spreading at such a worldwide scale? Already vaccines for Covid-19 are being tested in laboratories throughout the world, and while it has not been publicly stated, it can be assumed that AI has helped to determine which vaccine compounds should be used. Be it through the genetic mapping and linkages found between other coronaviruses and their related vaccines or simply by enabling researchers to test many more vaccine compounds at far faster rates.

We foresee healthcare and AI to have a truly symbiotic relationship, with 2020 being the first year in which AI is extensively used to track, treat and predict trends through all sectors of medicine.

MARKETING AND RETAIL

While deep fakes (highly realistic images and videos generated via AI algorithms) have been a fun way for many companies like Snapchat to interact with consumers, the sheer possibilities that deep fakes bring with them are set to revolutionize the marketing sector.

Using these hyper-realistic videos and images, marketing strategies can be broadly translated / dubbed into any language, virtual changing rooms for clients to try on products can be created and even new movies sequels and series can be created, or finished. This can vastly improve the spread of a company's goods, however, deep fakes also bring with them the issues of fake malicious videos and images being created, as well as the possibility that the need for new "faces" in television, movies, and adverts may dwindle. Another interesting trend in marketing is that of mapping consumer spending habits and applying them to what specials and offers should be offered to which consumers at which times. This can now be done in less time, with less human error and far more efficiently as AI can process far more data more rapidly than the average human. This will also increasingly be used by in-store stocking, wherein a store can accurately determine what products to stock in stores, and thereby increases efficiency and decreases wastage.

Using this data increases return on investment (ROI) and creates a customized and personal relationship between consumer and supplier which would revolutionize all sectors. Smart mirrors in clothing store fitting rooms is one example of how the customer relationship can be revolutionized. By using deep fakes as a virtual fitting room and data collected from personal profiles, smart mirrors can be used to suggest items that may match what the customer is currently looking at. In 2020 we expect the usage of AI to determine customer preferences and track spending to become deeply ingrained in almost every aspect of marketing and retail. The ease that AI can add to a business is simply a draw that you cannot dismiss.

DEDICATED AI HARDWARE

Advances in chipsets that are designed specifically for training AI models stand to radically reduce the cost and time taken to train models. These chipsets are better

because they can do groups of calculations at once, versus traditional chipsets which do them sequentially.

Overall, this will lead to an increase in available AI training capacity, meaning we can expect to see more advanced, accurate and powerful AI models in the near future. The costs and time taken to train AI models are also expected to plummet. The increased training capacity will only enhance the trends starting this year and is projected to increase AI speeds and complexity tenfold, enabling vast stores of data to be assessed at never seen before speeds with probable new outcomes that were not possible beforehand.

FEDERATED LEARNING

Coupled with the advances in dedicated AI chipsets, federated learning is finally lifting off in the coming year. Federated learning is a form of decentralized learning, which is different from the current models of centralized learning in which all data is stored in one place and an AI algorithm is set to learn from this data. Centralized learning comes with many issues, the biggest one being that of privacy. User privacy is extremely diminished in centralized learning simply because all the data is stored in one place, meaning one person can get all of your information in just one look. Decentralized learning is, of course, the complete opposite. Your

data is not in one place, but rather kept on your device or your cloud, and the AI algorithm is fed only specific data. The reason decentralized learning has not been widespread is simply due to computational power and the need for decentralized computing power.

This is where federated learning comes in. Federated learning is a combination of decentralized learning and decentralized computing power, which was previously not possible simply due to the "older" technology which permeated the world. This is coupled with homomorphic encryption, which, in simple terms, allows AI algorithms to run on encrypted data without corrupting features or formats. As cellphones and other daily use devices become smarter, federated learning can come into play. In 2020 we already have some of the most advanced cell phones ever developed, a true leap forward in technology. Mainly seen in the cameras which are being implemented throughout the mobile industry, our cellphones are essentially the same as a tiny laptop in our pockets. So much "pocket power" means that federated learning finally has the computational power it needed to operate. We believe this will allow AI to truly meet its full potential as a powerhouse in all industries. Allowing more data to be collected and algorithms to be run, which creates far better outcomes and predictions, and finally done without the cost of user privacy.

2020 is looking to be a tumultuous but promising year in all sectors, with discoveries around every corner and finally the computational power that AI has been desperately craving. AI will finally begin its long-awaited journey to be at the core of solving many of the problems that plague businesses and customers.

Let us at Taival help you push your business into the new frontier and make AI a major force in your business.

Enterprise Intelligence

Text & Data



Photo & Video & Audio



Industries

Consulting & Custom Development



Health



Mobility



Sales & Marketing



Retail & Commerce



Energy



Finance & Insurance



AI Monday Landscape

On this AI Landscape you can see all companies that had speakers on any AI Monday meet-up. The mostly Finnish and German companies are working across enterprise intelligence, industries, AI tech stack, education and enterprise functions.

Ai Tech Stack



Development



NLP



Education and research



Enterprise Function



Customer Support



Finance



Legal



Other



Berlin

48%

of all German AI start-ups
were founded
in the German capital.

AI IN BERLIN

Pioneer and melting pot: As early as the mid-2000s companies from the AI-sector increasingly located their business in Berlin-Brandenburg. A total of 28% of German companies from the AI-field are based in Berlin-Brandenburg, and the number is increasing. Between 2012 and 2017, 48 percent of all German AI start-ups were founded in the German capital. According to a study a total of 50-65 professors of different fields of application are carrying out research at numerous research facilities, colleges and universities.

Given the multitude of initiatives and development plans at state level, Berlin is a hub for research institutions, universities and start-ups and further advances the development of advanced technologies. Labs, hubs and accelerator programs of established companies offer young founders their know-how, network and a platform for prototyping. In return, these companies receive input about new technologies and developments.

80% of the AI companies in Berlin-Brandenburg operate in the business-to-business sector. Besides trade, the entertainment sector and industry, the developments are mainly used in three areas of application:

BUSINESS INTELLIGENCE & PROCESS MANAGEMENT

With 36 per cent, innovations and services which analyse and improve internal processes account for the largest share. For example, knowledge-based expert and language systems automate business processes, making them more efficient and transparent. With the help of AI systems, market data is analysed and evaluated with a view to expected future developments. Other developments simplify personnel recruitment or help to implement marketing activities in a more targeted manner and to address customers better with data-protected analyses.

80%

of the AI companies operate
in the business-to-business
sector

HEALTH INTELLIGENCE

AI systems from Berlin are used not only to support the internal processes of hospitals, but also for operation planning, diagnostics and data analysis of specific clinical pictures. Apps on fitness and health are developed as well as chatbots which accompany patients during the healing process: from the diagnosis of the illness to the visit to the doctor.

MOBILITY AND CITY INTELLIGENCE

A special focus of the Berlin AI companies is the development of driver assistance systems. Besides the core areas of autonomous driving, Berlin is also working on AI systems for road maps, apps for pedestrians and augmented reality systems for air traffic. More news, dates and activities about AI in Berlin can be found on our website www.ai-berlin.com.

If you need support for your AI business in Berlin, please contact the specialists at Berlin Partner:

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Pioneer and Melting Pot



AI Start-ups in Germany

Berlin ranks first

HAMBURG 9

BREMEN 2

BERLIN 51

BRANDENBURG 2

LOWER SAXONY 2

NORD RHINE-
WESTPHALIA 13

SAXONY 3

HESSE 5

SAARLAND 3

BAVARIA 32

BADEN-
WÜRTTEMBERG 10

Focus of AI-companies in Berlin-Brandenburg



**Business Intelligence /
Process Management**

36%



Healthcare

10%



Mobility

9%



Commerce

8%



Entertainment

7%



**Manufacturing /
Robotics**

7%



Others

23%

1 ALL SPEAKERS IN BERLIN

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DR. ALJOSCHA BURCHARDT Deputy Site Director of German Research Center for Artificial Intelligence (DFKI)	28	ANDREAS KLUG CMO @ ITyX AG	35
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CALVIN SEWARD Research Scientist @ Zalando	44		

Berlin is a really great place to do AI, because its a really diverse city. You have so many different people from different nations, different backgrounds, different jobs, with so much different input.

CALVIN SEWARD, ZALANDO AI RESEARCH

Organizer



CHARLOTTE SEILER

PERSON + JOB

Innovation Manager –
Berlin Partner

Charlotte Seiler is an Innovation Manager for AI in Berlin where she initiates innovation projects and organizes events and workshops to expand the regional AI community. To create a strong network, she connects start-ups, companies and research institutions that are open for collaboration. She creates visibility for the AI ecosystem as a speaker at conferences and via the ai-berlin website. Having worked in Digital Innovation and with her background in Design Thinking, she is always on the hunt for new trends in the digital sphere. In 2019, she joined the AI Monday team as a co-organizer of the Berlin chapter.

CONTACT

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MANUEL FRIEDRICH

PERSON + JOB

Deutsches Zentrum für
Luft- und Raumfahrt e. V.
(DLR)

As a computer scientist Manuel worked for different innovation and research oriented companies. When working for Berlin Partner for Business and Technology he developed the cluster ICT, media, and creative industries in Berlin. As part of this work he built up the action field AI, where studies were conducted, strategical advices were given to public administrations, communities were built, projects were initiated and events as well as event series were supported or started. The growth, impact, and visibility of regional tech communities with companies, startups, freelancers, research institutes and universities was the main focus of his work. Since the beginning of 2020 Manuel left the AI Monday team and works as a scientific staff member of the DLR Projektträger in the field of AI and HPC (High Performance Computing).

CONTACT

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ANDREAS SCHEPERS

PERSON + JOB

Head of Communications
DFKI Berlin

Andreas is a communications manager with a passion for digital communications and digital transformation. In his current role as Head of Communications of the Berlin site of the German Research Centre for Artificial Intelligence (DFKI) he is responsible for the communications of one of Europe's most exciting AI labs in one of Europe's greatest cities.

Andreas worked in France and in Germany as an information designer, project manager, university lecturer, and as communications and social media manager for start-ups, large media corporations and internationally renowned research organisations at the intersection of world-class academia, research, industry, and the public sector in the fields of artificial intelligence and space flight.

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JURI STOBBE

PERSON + JOB

Managing Partner Taival
Germany

Founder & Co-Organizer of all
AI Mondays in Germany

Juri is Co-Founder and Managing Partner of Taival Germany. He has 20 years of technology and management experience in consulting, start-up and international leadership positions. He is inspired by new technologies and trends in order to apply them in innovations and new business models. Already in 2001 he studied Neural Networks in New York and developed first small prototypes. So naturally he was excited bring AI Monday to Berlin and is supporting his clients on all sorts of AI questions.

He is a native Berliner and an enthusiastic triathlete.

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JAN NOWAK

PERSON + JOB

VP Projects & Technology
@ Appsfactory GmbH

Jan Nowak is a Technology Executive with more than 15 years of professional experience in software development and 10 years of leadership expertise. Having worked in a broad set of industries such as Consumer Software, Location Based Services, Transportation and ERP, he is now applying his experience at Appsfactory in order to identify digitalization and automation opportunities for clients from all sectors and sizes. Next to his responsibility for the Project Management Organisation, he is also leading a growing team of AI / ML experts. In 2018 he joined the AI Monday movement as a Co-Founder of the German chapter, leveraging his long lasting experience in ramping up successful global tech communities, such as WhereCamp Berlin or GeoMonday.

CONTACT

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The Company Consulting Team e. V.

is Berlin's student management consultancy and has had more than 300 enthusiastic customers from the DACH region since its foundation over 25 years ago. At present, the CCT consists of more than 100 committed students from various disciplines and universities. Driven by the pursuit of professional and personal development, we bridge the gap between theory and practice with every project.

How do we guarantee sustainable quality? Through the multilevel application process for our prospective consultants, our ISO 9001:2015 certification, and a large network of experts - our curators, our scientific advisory board, and an extensive alumni network - we bring together the advantages of science and business.

With our innovative and unbiased approach, we can look back on over 500 successfully completed projects. The CCT lives the idea of the student consultancy, which has been writing its own success story throughout Europe for many years. The interdisciplinary formed project teams cover a wide range of knowledge and competence areas. Consequently all team members constantly improve their skills and capabilities – which is the key reason for us students to engage with consulting projects. In the past, this composition has always led to exciting projects and innovative solutions from which both sides have benefited. We advise companies according to their needs in the areas of process optimization, strategy, human resources and IT. We set ourselves apart from the competition especially in terms of price. At the beginning of the new decade, our four core competencies were expanded by the introduction of our CCT experts. These experts have gained in-depth knowledge in a special field through their studies and relevant project experience and are available as first contacts and project controllers for our clients.

We are proud that we could support Taival on the journey of AI Monday and look forward to the further cooperation.



Berlin



BAVER ACU

PERSON + JOB

CTO German Autolabs

Before joining German Auto Labs and working there as CTO for almost two years, Baver Acu, who has a degree in computer science, worked as a software engineer in various positions, e.g. for next or Nokia.

TALK

Challenges for building a Voice AI System with software and hardware

Baver Acu presented us a Voice AI system, which is 100% touch-free and with the help of artificial intelligence, or NLP, a communication assistant for drivers. He showed the audience different problems and solutions during the development.

COMPANY

German Autolabs



German Autolabs is a pioneer in automotive voice AI. Its Automotive Voice Assistance platform offers a full stack conversational solution for the mobility sector. With its retrofit hardware, Chris, the digital co-driver, German Autolabs bypasses automotive development cycles by leveraging deep domain knowledge of driver behavior through the biggest connected fleet on the road.

CONTACT

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#VOICE ASSISTANCE #AUTOMOTIVE



ASAF BIRNHACK

PERSON + JOB

Co-Founder Brighter AI Technologies

Asaf Birnhack is an entrepreneur and a business development specialist, with over a decade of experience in building and growing ventures and enhancing revenues. Throughout his career, he had the chance to work in various industries, including digital advertising, automotive consultancy and artificial intelligence. As one of his latest projects, he has co-founded an innovative AI-based startup, in the automotive industry, Brighter AI.

TALK

Visual Data + AI = New Industry Use Cases

In his talk, Asaf Birnhack showed how artificial intelligence can be used to make data from cameras anonymous and protect private spheres. In a world where video cameras are present in every car or train station, Brighter's AI software helps to ensure that more data can be used. Data packets that cannot be used due to data protection laws can thus be used.

COMPANY

Brighter AI Technologies



Based on state-of-the-art deep learning, Brighter AI anonymizes camera data in a natural, yet privacy-preserving way that allows for advanced analytics and AI. Thereby, Brighter AI empowers companies to harness the full potential of public camera data.

CONTACT

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DR. MORITZ AUGUSTIN

PERSON + JOB

Machine Learning Lead & Head of Berlin Branch, Tiplu GmbH

With a Ph.D in Computational Neuroscience and more than six years working experience at Technische Universität Berlin, where he taught the courses Machine Intelligence I and II, Moritz Augustin has a strong academic background. In January 2019 he opened the Berlin branch of Tiplu GmbH where he works as Machine Learning Lead.

TALK

Deep learning-based medical coding

Stationary hospital stays in Germany are paid according to diagnosis related groups. These depend on diagnoses and procedures which must be coded correctly by the hospital to ensure its effort is appropriately compensated. Several companies offer software that optimizes medical coding using benchmark statistics – a questionable approach since this could lead to overpayment. Tiplu’s solution aims for right-coding and searches patient cases, particularly unstructured texts like medical reports, to identify the correct diagnosis and procedure codes. In his talk Moritz presents a practical solution to this natural language classification task. Specifically, they train recurrent neural networks to recognize billing codes in unstructured medical reports in German language.

COMPANY

Tiplu GmbH



Tiplu GmbH is the technological market leader for software-based rightcoding and revenue protection in hospitals. The company with locations in Berlin and Hamburg is characterized by the combination of expertise from medicine, economics and IT. As a result, the software MOMO stands for user-friendliness and efficiency. It is currently used in over 200 hospitals throughout Germany.

CONTACT

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WWW.TIPLU.DE

#RIGHTCODING #MEDICINE TECHNOLOGY #HOSPITAL DIGITALIZATION

Machine Learning-Entwickler für Berlin gesucht: Medizinische Vorhersagen anhand klinischer Daten

Wir

- Berliner Zweigniederlassung von erfolgreichem Krankenhaus-IT-Unternehmen: Tiplu GmbH (Hamburg)
- Team von 10 freundlichen Machine Learning-Entwicklern in Berlin (Zusammenarbeit mit Betriebs-eigenen Mediziniern in Hamburg)
- Büro in Friedrichshain (U Samariterstraße)
- Forschungsnahe Entwicklung:
 - Vorhersage von Krankheiten (u.a. mit XGBoost)
 - Medizinisches Textverständnis (NLP/Deep Learning)
- **Daten:** Umfangreiche Datensätze kooperierender Krankenhäuser
- **Impact:** Einsatz der ML-Modelle in über 200 Krankenhäusern
- **Gewinnbeteiligung:** Firma erzielt bereits gute Gewinne
- **Familienfreundlichkeit:** Flexible Arbeitszeiten

Du

- Freude an Teamarbeit
- Umfangreiche praktische Machine Learning-Erfahrungen
 - Neuronale Netzwerke
 - Gradient Tree Boosting
- Sehr gute Python-Programmierfähigkeiten
- Sehr gute deutsche Sprachkenntnisse
- Wünschenswert:
 - Praktische Erfahrungen mit Zeitserien-Klassifikation
 - Praktische Erfahrungen mit Natural Language Processing
 - Kenntnisse von Erklärungsmethoden für ML-Modelle
 - Linux-Affinität



Interesse geweckt?

Bewerbung an [m.augustin at tiplu.de](mailto:m.augustin@tiplu.de) (Dr. Moritz Augustin):

Berlin



DR. ALJOSCHA BURCHARDT

PERSON + JOB

Deputy Site Director of DFKI in Berlin

Aljoscha Burchardt is an expert in Language Technology and AI. He is Research Fellow of the Weizenbaum Institute for the Networked Society and Deputy Chairman of the Berlin Scientific Society. He is also a member of the Enquete-commission on AI of the German Parliament.

TALK

AI = future computer science

Aljoscha Burchardt started his talk with a short history of AI-research. He gave an insight into the role of DFKI, talking about the major fields of study and introducing Spin-Off companies. After that Burchardt distinguished the concepts of Digital Transformation, AI and Machine Learning through connecting them.

COMPANY

German Research Center for Artificial Intelligence (DFKI)



DFKI was founded in 1988 as a non-profit public-private partnership. It is the leading research center in Germany in the field of innovative commercial software technology using AI.



SÖNKE BULLERDIEK

PERSON + JOB

Director of Business Development at IDAGIO (formerly at EyeEm)

Sönke Bullerdiek works at IDAGIO as Director of Business Development. In his role, he leads all business development efforts for IDAGIO. He and his team are responsible for all cross-functional integrations & strategic partnerships, digital & monetization strategy, brand/retail and music partnerships.

TALK

How Computer Vision personalizes visual content search

Sönke Bullerdiek presented in his talk a use case based on machine learning technology. Together with BCG they redesigned their website and then digitalized the new brand identity using a machine learning model. This created a database of images that convey the same visual language and can be used by BCG consultants.

COMPANY

IDAGIO



IDAGIO is the leading streaming service for classical music with more than 1.8 million app downloads and subscribers in 190 countries. Crafted in Berlin by a

world-class team of over 80 passionate experts in music, technology, business and design, IDAGIO offers a search tailor-made for classical music, expert curation, and an expansive catalogue of over 2 million licensed tracks. IDAGIO is available completely free, with two paid tiers offering additional functions and lossless sound quality. For more information, visit www.IDAGIO.com or download IDAGIO for your mobile device from the App Store or Google Play Store.

CONTACT

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#BRAND IDENTITY #AI #MACHINE LEARNING

#COMPUTER VISION #BUSINESS STRATEGY

#MOBILE ENTERTAINMENT #EDGE COMPUTING



SOFIA CRESPO

PERSON + JOB

Artist

Sofia Crespo is an artist working with a huge interest in biology-inspired technologies. One of her main focuses is the way organic life uses artificial mechanisms to simulate itself and evolve, this implying the idea that technologies are a biased product of the organic life that created them and not a completely separated object. On the side, she is also hugely concerned with the dynamic change in the role of the artists working with machine learning techniques.

TALK

Artificial Creativity

In her talk themed “Artificial Creativity” Sofia Crespo shared the journey of how she was introduced to machine learning, explaining the basic concepts that played a role in changing her way of seeing images and creating visual compositions.

CONTACT

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#ARTIST #MACHINE LEARNING #BIOLOGY-INSPIRED TECHNOLOGY



ISABELLE ETTE

PERSON + JOB

Senior Digital Strategist

Isabelle is author of the IBM Automotive Playbook and co-creator of the iX Platform Design Toolkit. Two assets which can be leveraged to shape data-driven platforms. She worked first-hand with international OEMs, currently in Prague for ŠKODA AUTO.

TALK

You want AI? Do your homework first

In a business context, AI is often portrayed as cure for all woes. Contrarily, I hold that AI only reflects and augments what is already in place in terms of business processes. AI, therefore, is a supporter not a saviour. I encourage to invest in data collection and data curation previous to defining your AI use case.

COMPANY

Aperto – part of the IBM iX agency family

aperto
An IBM Company

An IBM Company. Together with our clients and partners we shape digital transformation at the intersection of strategy, creativity and technology.

CONTACT

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WWW.IBM.COM/SERVICES/IBMIX/STUDIOS/BERLIN

#DIGITAL STRATEGY #DESIGN #USER EXPERIENCE #FULL SERVICE #AGENCY



DANIEL FESER

PERSON + JOB

Postdoctoral Researcher at University Göttingen

Daniel Feser is a postdoctoral researcher at the University of Göttingen. He studied economics and previously taught at the University of Applied Sciences and the Berlin School of Economics and Law.

TALK

AI in the Berlin Region. And...?

In his talk Daniel Feser presented the development of artificial intelligence business and research in Berlin and Brandenburg. He showed that Berlin has

a rapidly growing market for artificial intelligence and is the hotspot within Germany.

COMPANY

Universität Göttingen



The University of Göttingen, founded in 1737, sees itself as an internationally important research university with a focus on research-based teaching. It is distinguished by the diversity of its subjects, especially in the humanities, by the excellent equipment in the natural sciences, and by the outstanding quality of its research in the profile-giving areas.

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#AI DEVELOPMENT #BERLIN

#BRANDENBURG

How to implement your AI strategy successfully

Today many companies are investing in data and Artificial Intelligence (AI). These activities may be called Advanced Analytics or Data Science, but the goals are the same across companies: to increase revenue and efficiency in current business activities and to develop new data-enabled offerings. To stay competitive in the digital economy a company's internal processes and products need to be smart – and that smartness comes from the insights generated by data and AI.

Since its founding in 2016, DAIN Studios has advised dozens of business leaders on how to become data-driven and use AI for the benefit of their organizations. Sometimes our involvement with a client begins after they have already launched a data and AI program with big expectations to turn around the business and attract star talent. Such initiatives might kick-off with a flurry of pilot projects and the most successful ideas may even become data-enabled products. Yet senior managers and leaders are often disappointed with the speed of progress because the anticipated large-scale business transformation has not taken place. As a result, management grows impatient and wonders how to proceed; data professionals also begin to show signs of frustration, raising problems for talent retention.

Overcoming these obstacles calls for clarity and determination from the company leadership. It means bringing data and AI to the core of all aspects of decision making – from strategy to operations, supported by KPIs that align data-driven decision making. Such action usually begins with an assessment of the firm's strategic environment and the current state of its data and AI capabilities. For firms that are relatively new to data and AI, this might mean acknowledging that their short-term

goals are simply to catch up with more AI-capable competitors. More mature firms however may want to build upon existing capabilities to create new market-leading products. Once these goals are clearly stated, then leadership teams – from the Board to C-suite to senior managers – can begin the process of building the necessary data and AI capabilities.

The 4 Core Pillars to start your journey towards a data-driven company

1

Formulate your Data Strategy

Derive your data strategy from your company's vision, ambition and major challenges

2

Understand your Current State

Gain a solid and honest understanding of the current state of the key enablers

3

Define and approve your Roadmap

Define a clear roll-out plan for all critical enablers. Decide on your first use cases and define the related Analytics Playbooks

4

Execute the first Analytics Playbook

Drive the execution and transformation of your company by executing concrete use cases addressing all key enablers

This is an area where we have seen clear differences between the Finnish and German markets. Finnish companies are generally much further in their digital transformation and they often perceive data and AI as one of the core enablers for their future success.

One such organization is the Finnish pension insurance company Elo. Historically this industry has used data and analytics primarily for its investment activities and operations; however as digital services become more popular, Elo recognized that there were opportunities to improve the experience of its customers through the use of data.

DAIN has worked with Elo since 2017 and we began with a review of Elo's data capabilities, covering topics such as data assets and system architecture, as well as organizational competences and processes. Possible use cases were also reviewed with the help of examples from other operators. As Development Director Eija Kaipainen-Perttula notes, "Data strategy work is central to ensure that things are properly thought through. We had already come up with a few use cases ... but this data strategy cooperation brought up a whole host of new options. Additionally, we gained understanding on how we should renew our operations to achieve our goals." With this clear strategic foundation, DAIN data professionals worked with Elo to integrate data assets into a so-called Customer360 view and to create the technical and non-technical capabilities needed by data scientists to move quickly from data exploration to pilots to operational products and insights. The result has been a transformation in the understanding of data and its value within the organization.

"Our eyes have been opened to see how analytical competence can be utilized in developing the customer experience. Before, we could only guess, and now we know,"

Eija summarizes.

Of course many German companies also recognize the importance of AI and data for their future. But often we detect a lack of urgency, a perception that data and AI topics can be pursued bit-by-bit rather than grasping the profound implications of becoming a data-driven organization. That is one reason why we regularly invite our German clients to come with us to Finland on a learning journey, so that they have the opportunity to experience how these companies work and see the impact data and AI has had on their business.

Our experience has taught us that, regardless of the country and industry, business leaders need to be highly involved in all aspects of the execution of data and AI strategies and the development of supporting capabilities.

Fully committed leadership has been one of the common denominators for success in digital transformation and becoming a truly data-driven company.

DAIN STUDIOS IS A DATA AND AI CONSULTANCY BASED IN HELSINKI, BERLIN AND MUNICH.



DIRK HOFMANN

PERSON + JOB

Co-Founder and CEO of DAIN Studios Germany

Dirk is one of the three Co-Founders of DAIN Studios and the CEO of DAIN Studios Germany. Dirk's main focus is to help companies in the area of Data and AI strategy development, data-driven business model development, data ecosystem building, and AI-based service development. As part of his responsibilities, he defines and drives companies' transformation efforts, change strategy, and implementation programs. Dirk is a veteran in the consumer electronics industry having acted in various product, marketing, and strategy roles at Siemens, BenQ, Nokia, and Deutsche Telekom.

He has implemented corporate-wide, customer-centric innovation, big data and analytics programs including world-wide customer panels, Think Tanks and Trend Scouting Networks. At Nokia, he was in charge of setting up and leading the 100-person Consumer Data & Interaction Program in the late 2000's.

Dirk has a MA in Media Science, Psychology and Economics from the Ludwig Maximilian University in Munich.

ABSTRACT

The Journey your company needs to go through to make AI and data work for you

Data and Analytics are the foundation for a successful (digital) business, but it

contains also challenges. In his speech Dirk Hofmann explained, that becoming a data-driven company is a journey for the whole organization, where you need the right people on your side. Machine-learning applications are across every industry, no matter if it is in manufacturing, retail or even in healthcare. The journey towards a data-driven company needs to be driven by the vision and use cases, started by the ambition of your firm. He is convinced, that (Data) technology should rather be seen as a strategic asset than as an enabler.

COMPANY

Dain Studios



The DAIN Studios team combines extensive business experience with deep analytical skills, gained at multinationals, start-ups as well as management consulting firms. They have successfully executed digital and data transformation programs in several international companies. Based in Helsinki, Berlin and Munich, their team brings in an international and diverse perspective into the latest developments and best practices and continuously strives to support customers in the best possible way. It is the combination of business and analytics skills that makes the staff at DAIN Studios truly effective in making Digital and Analytics work for your business.

CONTACT

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#DATA #AI STRATEGY #CUSTOM DEVELOPMENT #TRANSFORMATION

Berlin



ROBERT FÖRSTER

PERSON + JOB

Co-Founder Multicast Media GmbH / Project Manager RTL Disney Fernsehen

Robert Förster has many years of experience in the media industry. In 2017 he co-founded Multicast Media GmbH, a company that develops digital innovations for the media industry.

TALK

AI solutions in Media Business

Robert Förster talked about numerous existing use cases on text2speech or vice versa with a demo of synchronization of famous tv shows. He showed that the AI technology is a key technology in media, because of its versatile application possibilities.

COMPANY

Robert Förster

Robert combines his skills of AI technology to support media companies as a sparring partner to develop innovative format, implement distribution processes and create business models.

CONTACT

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#MEDIA #AI #CONTENT CREATION
#CONTENT SPECIALIST #BUSINESS MODELS



KALLE RAITA

PERSON + JOB

Vicepresident of Sales – The Curious AI company

Kalle Raita is a seasoned programmer with focus on computer graphics, quality assurance and project management. He joined Hybrid Graphics in the summer of 2001, which was acquired by NVIDIA 2006. After working for the Start-Up drawElements, he joined the curious AI company, exercising the position of Vice-President of Sales.

TALK

AI transforms document automation in production

Kalle Raita shared lessons learned while automating invoice handling at EU leading IPR company, Berggren Group, using Curious AI's document data extraction technology. He showed that intelligent component simplifies automation and that it can be adopted gradually and that it is important to always mind the business value.

COMPANY

Curious AI

CURIOUS AI

Curious AI builds easy to use tools for intelligent automation. Our AI solutions offer immediate savings over existing IT systems and processes. And the new intelligence unlocks completely new business opportunities for your organisation.

CONTACT

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#INVOICE AUTOMATIZATION



TORGEN HAUSCHILD

PERSON + JOB

Co-Founder & CTO of Bliq

Torgen Hauschild has a master degree in computer science. He is the current CTO at "Bliq" and focuses on optimizing the future of mobility to make it more convenient and more ecological using artificial intelligence combined with the power of cloud computing.

TALK

How to use computer vision on the edge to build live curbside maps

Torgen Hauschild presented a solution to tackle the every-day problem of finding a parking spot. The developed App "Bliq Ride" uses computer vision to collect data from connected vehicles. All data is processed to the "AI Powered Map Fusion". The gathered information can then be utilized by the users to find a parking spot up to 3 times faster than normal.

COMPANY



“Bliq” leverages real-time data streams from more than 24M connected vehicles and Computer Vision on the Edge to build the world’s most advanced street-level sensor network. Today, we provide street-level intelligence with two products: “Bliq Park” helps drivers find car parking 3x faster with predictions and real-time data on available car parking. “Bliq Ride” makes taxi and rideshare drivers earn 30% more with better positioning close to passengers.

CONTACT

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#AUTOMOTIVE #COMPUTER VISION



LUCIA HEGENBARTOVA

PERSON + JOB

Chief Customer Officer at Contiamo

Lucia Hegenbartova is a versatile allrounder, feeling most comfortable at the intersection of business and tech. She loves building things on a green field, the creative chaos of the early startup days and being surrounded by exceptional people. At Contiamo, she is responsible for the whole Business Operations, including all growth-related and customer-facing activities.

TALK

Lucia Hegenbartova showed in her talk why many start-ups in the field of AI fail early and

which lessons learned can be taken away from them. She stressed the importance of data quality and productive communication between the development and business departments.

COMPANY

Contiamo



The Contiamo Data Hub offers data virtualization with unprecedented speed and simplicity. Contiamo is a VC-backed company with a track record of delivering value for enterprise clients like Deutsche Telekom and CBRE, recognized as Germany’s fastest-growing data company by Gründerszene (2016 - 2018).

CONTACT

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RAPHAEL HOLCA LAMARRE

PERSON + JOB

CTO at Mimica

Raphael Holca Lamarre, founder of the London-based start-up Mimica, holds a PhD in Computational Neuroscience from the TU Berlin. During this and during his studies in Canada, Hong Kong and Switzerland, he has already worked as a researcher in the field of neuro Science and AI.

TALK

Mimica: An AI that learns to work through human observation

COMPANY

Mimica



Mimica is a software startup helping businesses automate repetitive computer-based tasks. We take an unconventional approach to automation: rather than being explicitly programmed, our software learns to execute tasks by observing people perform them. Our software combines human and artificial intelligence to extract a task’s structure from recordings of clicks and keystrokes.

CONTACT

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#SELF-LEARNING SOFTWARE

Berlin



DR. ENES HOŞGÖR

PERSON + JOB

Advisor at Surgical.ai

Dr. Enes Hoşgör, a systems engineer by training, is a Carnegie Mellon-educated serial AI entrepreneur. Based on his Ph.D. work at CMU, where he has taught on technology commercialization topics, he founded an AI company which got acquired in 2018. In addition to his consulting background, he also worked in venture capital, namely, for Foundation Capital and New Venture Partners. He is currently an advisor at surgical.ai, a healthcare investment company.

TALK

Using Deep Learning to Improve Surgical Outcomes

Dr. Enes Hoşgör shared his deep learning projects for a surgical.ai portfolio company, caresyntax. Caresyntax is digitizing surgery and operating rooms having deployed its IoT systems across 2K hospitals globally. Dr. Hoşgör's team is focusing on leveraging various data streams to reduce surgical risks by introducing intra-operative decision support solutions driven by AI.

COMPANY

Surgical.ai



We invest in and guide the most innovative companies in surgery.

CONTACT

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WWW.SURGICAL.AI

#SURGERY, #MACHINE LEARNING,
#VENTURE INVESTMENT AND
DEVELOPMENT



AHMED KAMAL

PERSON + JOB

Staff Software Engineer,
Tech Lead – AI Platforms

Ahmed Kamal is the tech lead for AI Platforms team at Careem, an Uber Company leading the development of their end to end machine learning platform as well as auto-ml and time-series forecasting solutions.

TALK

Scaling Machine Learning @ Careem

Ahmed Kamal gave us a deep dive into the journey of building their ML platform and the challenges addressed while trying to build a scalable, usable and cost-efficient platform that enables the rapid development of thousands of production models and facilitates democratizing ML usage across the whole company.

COMPANY

Careem, an Uber Company



Careem is an Uber subsidiary and the internet platform for the greater Middle East region. Careem, the ride-hailing pioneer is expanding services across its platform to include mass transportation, delivery, and payments to become the region's everyday SuperApp.

CONTACT

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#MOBILITY #ML MODELS



KIRA KEMPINSKA

PERSON + JOB

Machine Learning Researcher
at Alphamoon

Kira Kempinska is a machine learning researcher with industrial experience from Microsoft Research and AI startups. She also holds a PhD in machine learning from University College London.

TALK

How to build an acoustic tracking system with embedded AI

Kira Kempinska presented a product that can detect drones by their distinctive sound. Apart from the evolution of their used hardware, Kira also pointed out the difficulties to classify the recordings due to similar noise caused by the surrounding environment.

COMPANY

Alphamoon



Alphamoon helps other companies to introduce their own cutting edge AI solutions. The company offers consulting and support in building individual data strategies, helps to optimize business processes by unlocking the potential of data, and provides expertise in developing from bare reasoning engines up to fully-fledged applications.

CONTACT

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#MACHINE LEARNING #ACCUSTICS

#AIR VEHICLES



ANDREAS KLUG

PERSON + JOB

CMO @ ITyX AG

Andreas Klug is considered as an evangelist for digital transformation. He is CMO of the German AI pioneer ITyX and chairman of the working group "Artificial Intelligence" in Europe's main Digital Association Bitkom in Berlin. Andreas is a keynote speaker and author of numerous publications around AI and Intelligent Automation.

COMPANY

ITyX



200 customers, 24 countries: ITyX is a German AI pioneer and among the internationally renowned providers of AI solutions and services for intelligent automation and data extraction. ITyX software captures, analyzes, classifies, extracts, validates, routes and processes incoming documents, emails, applications automatically.

CONTACT

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#INPUT MANAGEMENT #TEXT

ANALYTICS #TOPIC RECOGNITION #DATA

EXTRACTION #PROCESS AUTOMATION



CHRISTOPHER KRÄNZLER

PERSON + JOB

Co Founder & CEO @ Lengoo

After graduating with a Bachelor's Degree in Business Engineering from Karlsruhe Institute of Technology, Christopher went on to achieve a Master's Degree from Columbia University in New York. He moved the digitalization and automation of business processes to the center of both his doing and thinking, leading to the foundation of his first company, lengoo, in 2014. Christopher Kränzler is an avid speaker on AI and digitalization, motivating listeners to "step outside the box" and tap into the

vast pool of opportunity machine learning and big data has to offer. Since June 2019, Christopher has held a seat on the Board of Directors at bitkom, Germany's digital association.

TALK

Machine Learning and its impact on Business Metrics

In his talk, Christopher Kränzler gave an insight into Machine Learning in general and its potential impact on business metrics. He argued that there is a huge potential for AI embracing the opportunities for people and businesses. His company, Lengoo, developed an algorithm that classifies industry documents for the translations and matches the most qualified translators for customers. He showed, that through the combination of data-based Machine Learning and human experts they could reduce costs and accelerate their process.

COMPANY

Lengoo

Lengoo is a Berlin based company specializing in AI-based translation solutions. Since 2012, their translation platform has empowered over 2,500 SMEs and enterprises from 10 countries to break language barriers and to easily tap into international markets with high-quality translations in more than 400 language pairs. With their combination of the latest Deep Learning technology and professional linguists, they provide not only translations superior in quality, but also an exceptional user experience for both linguists and clients. All translators affiliated with lengoo are native speakers with in-depth academic and professional expertise in their subject areas. They are carefully selected (we accept only 5% of applications) and constantly evaluated.

CONTACT

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Berlin



BASTIAN KÜLZER

PERSON + JOB

Sales Executive

For Bastian Külzer, a strong network is key whether you are a student, part of the CBS Business Mentor Programme, or starting your own company in Berlin. He holds an MSc in Economics and Business Administration – Management of Innovation and Business Development from CBS and has worked for several start-ups within Artificial Intelligence.

TALK

AI & the Struggle with unstructured Documents

Bastian Külzer talked in his presentation about using AI at Leverton to analyze documents. When analyzing these, there are several challenges with the structure, which can be processed and solved by their AI algorithm, uncovering hidden data and insights.

COMPANY

Leverton



LEVERTON's AI-powered data extraction and contract analytics platform helps businesses to extract and analyze key structured data out of their corporate and legal documents. Trusted by over 200 of the Fortune 1000, the company's secure platform includes pre-trained, proprietary OCR and deep learning algorithms that

accelerate data discovery and extraction, speeding time to ROI.

CONTACT

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DR. ANDREAS LEMKE

PERSON + JOB

CEO Mediaire GmbH

Prior to his position as CEO at Mediaire, Andreas Lemke, who holds a doctorate in physics, worked in various positions, including systems engineer at Bosch and Chief Technology Officer at HQ Imaging.

TALK

Algorithms are outperforming radiologist in specific tasks still almost no radiological practices are using those. This is due to not enough annotated data for training the algorithm. Mediaire circumvents these problems by using automated quality assurance algorithms and hybrid models incorporating Deep Learning architecture.

COMPANY

mediaire GmbH



mediaire offers radiologists and neurologists a practical and economic solution for both - brain volumetry and characterization of lesions. Our mdbrain software is seamlessly integrated into the local PACS and within just a few minutes generates a report with our analysis while

keeping data safety at a maximum level. Patient data never leaves your office.

CONTACT

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#RADIOLOGY #NEUROLOGY #MDBRAIN
ARTIFICIAL INTELLIGENCE #AI #MRI



DR. MICHELLE LIVNE

PERSON + JOB

CTO at ai4medicine

Dr. Michelle Livne is a machine learning scientist and lead, specialized in imaging and healthcare applications. In 2018 she founded her company ai4medicine.

TALK

Dr. Michelle Livne talked about approaches to leverage AI in identifying the right treatments for stroke patients – one of the leading causes of deaths worldwide with about 15 million strokes and 6 million deaths every year. Instead of a time-based statistically derived generalized paradigm approach, she and her team developed an individualized approach based on Neuroimaging.

COMPANY

ai4medicine



AI4Medince is an AI-Start-Up from Berlin. Its product is a personalized stroke prevention app for smartphones, which can be used to monitor your health and minimize the risk of getting a stroke. The Board of the Company is staffed with experienced medical and technical experts.

CONTACT

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#MEDICINE #APP #HEALTH #STROKE PREVENTION



CHRISTIAN MIO LOCLAIR

PERSON + JOB

Creative Director
Waltz Binaire

Christian Mio Loclair has a master's degree in human-Computer- Interactions from Potsdam University. He investigates future scenarios of creative human computer interaction in art and design, by using generative systems and Artificial Intelligence.

TALK

Artificial Poetry

Christian Mio Loclair from the "Waltz Binaire" team shared his talk "Artificial Poetry" with the audience. As a computer scientist and choreographer, Christian specializes in the intersection between art and technology. His talk was not just jaw dropping and poetic but also visually a piece of art.

COMPANY

Waltz Binaire

WALTZ BINAIRE

Waltz Binaire is a multi product laboratory focussing on data driven solutions across a variety of disciplines. To ensure quick adaptations to emerging topics and to meet individual customer requirements, we established an interdisciplinary environment. An architecture for creatives, scientists and business researchers to focus from multiple angles.

CONTACT

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#DESIGN #HUMAN COMPUTER INTERACTION



ELHAM MIRZAEI

PERSON + JOB

Robotics Engineer –
InSystems Automation GmbH

Elham Mirzaei is an experienced robotic engineer with a demonstrated history of working in the research industry. She holds a master degree in mechatronics, robotics, and automation engineering from polytechnic university of Turin. Her research focuses on cyber-physical systems, adaptive software architectures as well as distributed control for collaborative embedded systems.

TALK

Decentralized collaborative fleet of Automated Guided Vehicles (AGV)

Elham Mirzaei presented the evolution of an autonomously navigating transport robot which can be used for intralogistics solutions. These robots use a cost function to split the jobs collaboratively. Apart from this use of AI, the future goal is to create even self-organizing and self-optimizing systems.

COMPANY

InSystems Automation GmbH



InSystems Automation develops innovative automation technology and special machines for production, material flow and quality inspection. InSystems has been specializing in the manufacture of autonomously navigating transport robots named proANT which can be implemented as a fleet in an existing production control system.

CONTACT

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#ROBOTICS #LOGISTICS #AUTOMATION

Berlin



MATTHIAS MEISDROCK

PERSON + JOB

CEO at OMQ GmbH

Matthias Meisdrock is CEO and owner of OMQ GmbH. Due to his passion and high expertise in computer science, he is leading the product and innovation management.



DR. TAE-GIL NOH

PERSON + JOB

Machine Learning Engineer @ OMQ GmbH

Dr. Tae-Gil Noh obtained his PhD in 2011 from KNU, South Korea, on applying Machine Learning methods on Natural Language Understanding. After graduation, he moved to Germany and worked as researcher in Heidelberg University and in NEC Labs Europe on multiple EU projects to help applying Machine Learning methods for solving real world problems. Since 2016, he has been working at OMQ as lead developer for OMQ's language understanding system.

TALK

AI based customer service in shared mobility

On September 2nd, 2019 Matthias Meisdrock presented how the software of OMQ improves the customer service experience using the case of bike sharing. Their software identifies the customer's issue through an interactive chat. Using Machine Learning and completed cases, the algorithm improves over time by learning and tackling a growing number of service request cases.

He outlined the reasons behind the foundation of OMQ and explained how the software improves customer service experience with a real-life example of one of their renowned customers in the mobility industry. He highlighted the importance of a timely response together with appropriate resources in order to meet customer expectations. Their AI-based products can optimize both, thanks to OMQ's centralized knowledge base.

COMPANY

OMQ

OMQ provides an Artificial Intelligence solution that automatically answers customer requests. Due to years of experience in research projects, their software works with state-of-the-art technology. The system can be used across a wide range of channels, industries and languages.

CONTACT

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#MACHINE LEARNING #CUSTOMER SERVICE #CHAT-BOTS



SEBASTIAN NEITSCH

PERSON + JOB

Artist

TALK

Artistic Interpretation of Extraterrestrial Noise using Artificial Intelligence

The artist gave us an overview of his work, focusing on their latest research combining extraterrestrial frequencies, artificial intelligence and human interventions. What might an AI find in the weird data from outer space?



COMPANY

Quadrature

Sebastian Neitsch is one part of the artist duo Quadrature. Their artistic practice understands technology as means to read

and write realities, to understand and create otherwise hidden dimensions of perception. They pursue a transdisciplinary approach focusing on data and physical experiments, using various media such as time-based performance and installation as well as classical sculptural and two-dimensional works. Quadrature won several awards and scholarships for their works, including recognition by the Prix Ars Electronica in 2015 and 2018.

CONTACT

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#ARTIST #EXTRATERRESTRIAL
NOISES, #OUTER SPACE #AUDIOVISUAL
PERFORMANCE #RADIO ASTRONOMY



SEBASTIAN NIEHAUS

PERSON + JOB

Head of Data Science
at AICURA medical GmbH

Sebastian Niehaus is currently Data Science Lead at AICURA medical GmbH, where he works primarily on federated learning for healthcare applications. He studied in Osnabrück and Paderborn. He is experienced with theoretical and practical aspects of machine learning and especially deep learning.

TALK

Incorporating prior knowledge
into deep learning workflows
for CT image segmentation

Sebastian shared his findings of a study they conducted on incorporating prior knowledge into deep learning workflows for CT image segmentation. He compared expertise-based deep learning pipelines with state-of-the-art image segmentation pipelines, which were not adapted to medical image formats.

COMPANY

AICURA medical GmbH



AICURA provides the infrastructure for federated learning on spatially distributed medical data that never leaves the hospital. This enables model training on multimodal data while always preserving data privacy. Our products seamlessly adapt to an existing hospital infrastructure and support deployment of 3rd party AI implementations.

CONTACT

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#MEDICAL IMAGE SEGMENTATION
#FEDERATED LEARNING #MEDICAL DATA



MATEUSZ OPALA

PERSON + JOB

Machine Learning Tech Lead
at Netguru

Mateusz Opala is a software engineer and machine learning practitioner. Currently, he holds the position of Machine Learning Tech

Lead at Netguru. Earlier Mateusz worked at Siemens and Craftinity on various projects including Deep Learning based solutions for Computer Vision and Natural Language Processing. His professional interests are centred on explaining neural networks and building reproducible machine learning pipelines.

TALK

Can we trust Neural
Networks?

Mateusz Opala gave us insights into how we can gain trust in ML models. Users are interested in explanations, because they help us to understand how the model works. He explained that it is important to test that the data have similar distribution to the real data. For that he presented Lime, a local Interpretable Model-Agnostic Explanation which uses explainable models such as linear regression to explain complex models behaviour.

COMPANY

Netguru



Netguru builds digital products that let people do things differently. Share your challenge with our team and we'll work with you to deliver a revolutionary digital product. Our clients have changed the way people do banking, listen to music, learn languages and rent bikes. Their products have been featured in TechCrunch, Business Insider and Product Hunt.

CONTACT

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#INTERPRETABLE MACHINE LEARNING
#DIGITAL TRANSFORMATION



DR. SASKIA OSTENDORFF

PERSON + JOB

Lawyer and Co-Founder of Open Legal Data

Dr. Saskia Ostendorff is the founder of the law firm Ostendorff. Her areas of expertise are Personal Rights and Intellectual Property Law focusing on legal questions of new technologies. She consults and represents clients in the field of identity theft, hate comments, violation of the right to one's own image, file sharing, victims of crime and the defence in criminal proceedings. Furthermore, she is a Germany-wide and international speaker on digital change in law with lectures on 3D printing, open data, artificial intelligence and personal rights. Dr. Saskia Ostendorff did her Ph.D. on Intellectual Property Law and 3D-printing at the renowned Humboldt University, "Copy and Paste: The private copy of applied art by 3D-printers".

TALK

We need Open Data for AI

On May 20th, 2019 Saskia Ostendorff had been invited to talk about the freedom of court decision as open data. She explained that approximately only 1% of all court decisions are published, which consequences a lack of transparency and loss of trust. And even if the court decisions are published, they are sometimes hidden behind a paywall on commercial platforms. She argues that court decisions should be published as open data because they are official statements and aren't protected by copyright law. Especially for AI, there

is a need for open legal data in respect of innovations of new products, business models and general legal education.

COMPANY

The law firm Dr. Ostendorff has an acting focus on Internet law, Intellectual Property Law and Criminal law. With their combination of Civil and Criminal Law, she provides a unique knowledge of legal fields regarding questions of the digitization.

Open Legal Data

Open Legal Data (www.openlegaldata.io) is an interdisciplinary, non-profit and volunteer project made by information scientists and lawyers. It is a free and open platform that makes legal documents and information accessible to the public. Their goal is to enhance the transparency of the jurisdiction with the help of open data and by supporting people without legal education to understand the justice system. The project is committed to the Open Data Principles and the Free Access to Law Movement. Improving communication is a great challenge for today's legal system. On the one hand, citizens need a user-friendly, free, and low barrier way to access legal information. On the other side, legal entities and courts need digitalization tools that ease their work and do not add another layer of complexity to it.

CONTACT

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JUSTINA PETRAITYTE

PERSON + JOB

Head of Developer Relations at Rasa

Justina Petraityte is a Head of Developer Relations at Rasa where she leads Rasa's efforts in developer education and building a worldwide open source community. Prior to joining Rasa Justina worked as a Data Scientist in the video gaming industry as well as fintech and insurance industries. Her curiosity for building interesting applications and helping others to understand difficult topics easier brought her to the field of conversational AI and open source. Justina holds a BS in Econometrics.

TALK

Building contextual assistants with machine learning and open source tools

AI assistants are getting a great deal of attention from the industry and in research. However, the majority of assistants are still developed using a state machine and a set of rules. That doesn't scale in production.

In her talk, Justina challenged the usual approach of chatbot development by introducing machine learning-based methods for dialogue management. She covered the fundamentals of conversational AI, machine learning behind natural language understanding and dialogue management, and the overall process of how developers can build contextual AI assistant in-house using Rasa open source tools.

COMPANY

Rasa



Rasa supplies the standard infrastructure for conversational AI, providing the tools required to build better, more resilient contextual assistants. With over 2M+ downloads since its launch, Rasa Open Source is loved by developers worldwide, with our friendly, fast-growing community learning from each other and working together to make better text- and voice-based AI assistants. Rasa runs in production everywhere from startups to Fortune 500s, and provides the data privacy and security needed to enterprises of every size.

CONTACT

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[#CHATBOTS](#) [#CONVERSATIONAL AI](#)



MALTE PIETSCH

PERSON + JOB

Co-Founder & CTO of deepset

Malte Pietsch is a Co-Founder at deepset, where he crafts NLP solutions for diverse clients, such as Siemens, Airbus and Springer Nature. He holds a M.Sc. with honors from TU Munich and conducted research at Carnegie Mellon University. Before founding deepset he worked as a data scientist for multiple startups. He is an active open-source contributor, creator of the NLP frameworks FARM & haystack and published the German BERT model. He is particularly interested in Transfer learning

and its application to question answering / semantic search.

TALK

NLP based question answering for M&A

In his talk, Malte introduced us to Transfer learning in NLP and how you can leverage powerful language models like BERT to improve the search experience in companies. He highlighted how downstream-tasks like "question answering" can be implemented via open source frameworks and adapted to specific domains. He highlighted the real-world impact by demonstrating an implementation for a client in the text-heavy M&A sector.

COMPANY

deepset



We bridge the gap between NLP research and the industry. With our open source software, we enable developers to use the latest language models & Transfer learning techniques in a fast and simple way. Our additional features & services help enterprises to build, run and maintain production-ready NLP applications. Our focus areas: industry- and company specific language models, large scale question answering systems and everything you need to boost enterprise-grade semantic search.

CONTACT

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[#NLP](#) [#TRANSFER LEARNING](#) [#LANGUAGE MODELS](#) [#NEURAL SEARCH](#) [#QUESTION ANSWERING](#)



CLAUDIA POHLINK

PERSON + JOB

Head of Artificial Intelligence @T-Labs

TALK

Intelligence Group automating the Telco

Claudia gave a short introduction on how the T-Labs work on different fields of AI that are connected to the German Telekom. Moreover one concrete demo of a specific production optimization use case with six sigma was presented.

COMPANY

Telekom Innovation Laboratories, T-Labs

At Telekom Innovation Laboratories (T-Labs), the passion for innovation and technology drives international experts and scientists to work together in the four core fields of blockchain, intelligence, experience and academia as a service. T-Labs is the R&D unit of Deutsche Telekom and is in a close partnership with the Technische Universität Berlin

CONTACT

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Berlin



PETER ROSE

PERSON + JOB

Director (Europe)
at Orbica

Peter Rose's role at Orbica is to support organisations throughout Europe to harness the power of their location data. He is a location data, geospatial and artificial intelligence technology evangelist, and his previous experience includes the geospatial technology sector in New Zealand as well as business development and project management roles throughout Europe.

TALK

GeoAI: The Future of Feature

In his talk, Peter Rose showed the possibilities of the connections between artificial intelligence, imagery processes and geospatial data. This can greatly increase the efficiency of satellite data analysis and thus create value in environmental protection, market identification or urban development.

COMPANY

Orbica



Orbica unlocks the value of location data to create business solutions and products that enable our customers to develop new insights that improve and accelerate decision making, increase performance,

reduce risks and costs, enhance their customers' experience and generate revenue.

CONTACT

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#LOCATION DATA #CONNECTIVITY #GEOAI



ANDREAS SCHINDLER

PERSON + JOB

CEO Deep Neuron Lab

Andreas Schindler, CEO of Deep Neuron Lab, has a master's degree in Accounting and Finance from FOM Hochschule. After working in the insurance industry, he founded his own AI Start-Up Deep Neuron Lab.

TALK

Real life business problems to solve with ML – the good, the bad and the ugly

The talk by Andreas Schindler gave us insights into how to approach Machine Learning projects and what to consider before. He presented three different cases and used them to show the importance of a feasibility study before the starting the project.

COMPANY

Deep Neuron Lab



Deep Neuron Lab develops products that free people from tedious processes and help companies focus on their core business. Many work processes today are still tied to unnecessary time and effort. DNL simplifies these processes with artificial intelligence (AI). To achieve that DNL uses the latest methods of Natural Language Processing (NLP) and image recognition to structure data and enable an easier access to information.

CONTACT

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#FEASIBILITY STUDY #NLP



FABIAN SCHMIDT

PERSON + JOB

Consultant / Data Solution
Architekt at Neofonie

Dr. Fabian Schmidt, with an academic background in computer science, works as a consultant and data solution architect at Neofonie. Previously, he worked at the University of Magdeburg and as a developer.

TALK

Intelligent text mining tools for the news room

COMPANY

Neofonie

Neofonie is a leading full-service provider for digital solutions, offering everything from conceptualization and consulting to design, development, operation and hosting. Whether traditional IT, Internet solutions or mobile applications: we think and develop cross-platform and cross-channel. Our expertise ranges from data analytics, text mining, search, web portals, content management systems, and e-commerce to mobile solutions.

CONTACT

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WWW.NEOFONIE.DE

Berlin has an ecosystems that attracts a lot of talented people that are in IT, machine learning and AI startups. And it has high quality universities, a super innovative startup environment and that's why Berlin is one of the best places to work in AI.

ANDREAS SCHINDLER, CO-FOUNDER OF DEEP NEURON LAB

**COVID-19
Update**

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dates on our
website

BERLIN BUZZWORDS

Germany's most exciting conference on storing, processing, streaming and searching large amounts of digital data, with a focus on open source software projects.

berlinbuzzwords.de

>BLN
BZZ/
WRDS

Berlin



ANNE SCHWERK

PERSON + JOB

Project Manager AI – Health
@ DFKI

Anne Schwerk, project manager AI - Health at the German Research Center for Artificial Intelligence (DFKI), has a strong and varied academic background. She gained her Ph.D. at the renowned Charité hospital in Berlin, focusing on ameliorating Parkinson's disease through transplanting adult stem cells. After her Ph.D., Anne developed digital pathology methods/ workflows within her project works at TNO, in the Netherlands. Since over 2 years, Anne is managing and acquiring projects at the intersection of health and AI for the DFKI, with a focus on IoT, precision medicine, and complex decision support.

TALK

Ai-driven Medicine – potentials and challenges

Anne Schwerk talked about potentials and challenges of AI-driven medicine, specifically as its very data driven. Open innovation, open data & open science are crucial enablers for data-driven medicine.

COMPANY

DFKI



The DFKI was founded in 1988 as a non-profit public-private partnership. In the field of innovative commercial software technology using AI, the DFKI is the leading research center in Germany.

CONTACT

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#AI-DRIVEN MEDICINE



CALVIN SEWARD

PERSON + JOB

Research Scientist at Zalando

Calvin Seward is an experienced Research Scientist with a strong background in both groundbreaking artificial intelligence fundamentals research and high impact research application in the fashion retail space. Skilled in Python, Mathematics, Tensorflow and all things fashion retail.

TALK

Calvin Seward from Zalando talked about Security and Risks in an AI-driven environment. He introduced us to the concept of data poisoning and how AI is misused already today to abuse human rights.

COMPANY

Zalando



As Europe's leading online fashion platform we deliver to customers in 17 countries. In our fashion store, they can find a wide range of clothing, shoes, and accessories from more than 2,000 brands.

CONTACT

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#RETAIL #AI SECURITY



VICTOR THOMA

PERSON + JOB

Project Manager Innovation
Lab at Ergo Digital Ventures

Victor Thoma, who holds a Master's degree in Digital Innovation and Entrepreneurial Leadership, has been working for the Ergo Group since 2016. In his function as project manager he is responsible for the identification of innovation opportunities, quality control and negotiation and cooperation with external technology partners.

COMPANY

ERGO Digital Ventures



The innovation lab is part of ERGO Digital Ventures AG which is responsible for all digital and direct activities within ERGO Group AG. The company acts as the driving force for innovation and digital transformation. By separating the company from traditional business and putting the management focus on digital business, the goal is to make it easier to implement new ideas quickly.

CONTACT

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#INSURANCE #CONVERSATIONAL AI

#EMPLOYEE-FOCUSED DEVELOPMENT



DAT TRAN

PERSON + JOB

Head of AI at Axel Springer AI

Dat Tran is an experienced technology and business leader with a strong focus on smart (data) products. Currently He's part of Axel Springer Ideas Engineering, the innovation unit of Axel Springer SE which is the largest digital publishing house in Europe.

TALK

What is the big in Big data?

In his talk Dat Tran presented the topic of Big Data. He started with an insight into the hype culture and how different innovations come and go. In order to be successful in the long run, he recommended the concept of MVP. This involves gathering as much information about customers as possible with the least amount of effort.

COMPANY

Axel Springer AI



Axel Springer AI is the artificial intelligence unit of Axel Springer SE which is the largest digital publishing house in Europe. We're

also part of Axel Springer Ideas Engineering, the innovation unit of Axel Springer. Our mission is to make AI accessible to everyone within Axel Springer and hence drive innovations.

CONTACT

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#DEEPLARNING #MACHINELEARNING

#INNOVATION



VALERIO VELARDO

PERSON + JOB

AI and music researcher

Valerio is an AI and music researcher, composer, conductor, pianist and programmer. He earned a PhD in Music and AI from the University of Huddersfield. He developed mathematical and computational models to simulate the behaviour of music societies.

TALK

Teaching AI to compose video game music

In his presentation Valerio talked about how his company Melodrive taught an Artificial Intelligence to compose video game music. In order to solve problems with constrained and finite human-composed music, the melodrive algorithm controls the composition, performance and production of music, based on the game parameters and user input.

COMPANY

Melodrive

Melodrive is a consulting company, which concentrates itself on AI consulting for audio-centric startups. Their value proposition is unlocking the possibilities of audio data taken from audio and music tech startups. Through coaching sessions, workshops and strategy consulting they share their first-class knowledge, gained through excellence academic education, on AI-Sound-data with their clients.

CONTACT

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#MUSIC #COMPOSITION #MUSIC INFORMATION RETRIEVAL #AI AUDIO



JOHANN VON HERWARTH

PERSON + JOB

Enterprise Account Executive – ultimate.ai

Johann von Herwarth is a senior Sales Manager with demonstrated history of working in the computer software industry. He worked as a Business Developer, Intercompany Sales Coordinator and as an Account Manager. He is now working at Ultimate.ai as an enterprise Account Executive in Berlin.

TALK

Customer Service in a Digital Age

Berlin

Johann started his talk by giving us some insights in the current situation of customer service operations. Because Customer Service is a treasure grove of data and most of it is unstructured but valuable he presented a language agnostic AI which can structure the data.

COMPANY

ultimate.ai



Ultimate.ai automates your repetitive customer service cases and guides your agents with answer recommendations through complex tasks. Scale your team and improve CX with 24/7 multilingual customer support. Our simple to use tools help you automate up to 80% of inquiries, eliminate manual work and streamline process for your agents.

CONTACT

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#CUSTOMER SERVICE #DATA STRUCTURE



CHRISTIAN HEDEL

PERSON + JOB

Product Owner at Volkswagen Digital: Lab

Christian Hedel holds a degree in Computer Science from Freie Universität Berlin and works since 2018 as a software engineer and as a Product Owner.

TALK

End-to-end speech recognition" @ Volkswagen

Christian Hedel gave us an insight into the end-to-end speech recognition development at Volkswagen. He showed the approach they took, working with a balanced team (PO, PM, UX, Devs) and using Deep Speech 2, and the challenges they faced, especially with data quality.

COMPANY

Volkswagen Digital:Lab



The Volkswagen Group with its headquarters in Wolfsburg is one of the world's leading automobile manufacturers and the largest carmaker in Europe. The Group is made up of twelve brands from seven European countries. The Digital:Lab is Volkswagens incubator based in Berlin, where more than 50 people are working on improving software projects.

CONTACT

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#SPEECH RECOGNITION #AUTOMOTIVE



JAN KÖNIG

PERSON + JOB

Co-founder at Jovo

Jan König is one of the founders of Jovo, the open source voice layer. He holds a master's degree in industrial engineering and Management from Karlsruher Institut für Technologie. Before founding Jovo he worked at Blue Yonder and was co-founder of HashtagNow.

TALK

Voice as a Human-Machine Interface

Jan König talked about "Voice as a Human-Machine Interface". How can companies use voice interfaces to their advantage? In his talk he provided an overview of the current state of voice. He also went into the question why companies should build on top of platforms like Amazon Alexa or build their own voice assistants.

COMPANY

Jovo



Jovo is the open source voice layer. Build voice experiences that work across platforms and devices, including Amazon Alexa, Google Assistant, Samsung Bixby, web apps, mobile phones, and more.

CONTACT

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#VOICE INTERFACE



NORMA HOEFT

PERSON + JOB

Head of IoT and AI Strategy at German Bionic

Norma Hoeft has been the Head of IoT at German Bionics since March 2019. After her studies at the Otto von Guericke University Magdeburg in Cultural Engineering she worked for Smava, Mobile Event Guide or GoEuro as a product and project manager.

TALK

Intelligent power suits and the future of smart bionics

In her talk Norma Hoeft together with Eric Eitel presented the work of German Bionics. By using the exoskeletons, it is easier for people to lift heavy loads and its reducing the risk of injury. During the presentation they demonstrated live how the exoskeletons supports people.

COMPANY

German Bionics



German Bionic Systems, headquartered in Augsburg, is the first German developer and manufacturer of exoskeletons for industrial use. Exoskeletons are human-machine systems that combine human intelligence and machine power, thereby enabling individuals to gain increased strength and endurance. GBS is one of the world's leading robotics

companies focusing on humans in Industry 4.

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#EXOSKELETONS



PROF. DR.-ING. JÖRG KRÜGER

PERSON + JOB

Head of Industrial Automation Technology TU Berlin

Prof. Dr.-Ing. Jörg Krüger studied electrical engineering at the University of Paderborn and the Technical University of Berlin, where he received his diploma in 1991. In 2003 Prof. Krüger was appointed university professor at the Technical University of Berlin. In 2004, he was additionally appointed Director of the Automation Technology Department at the Fraunhofer IPK. His research focuses on human-centered and image-based automation.

TALK

AI in Production

COMPANY

Technische Universität Berlin



The internationally renowned Technische Universität Berlin is located in Germany's capital city at the heart of Europe. Our academic activities are focused on achieving sharply-defined goals: building a distinctive profile for our university, ensuring exceptional performance in research and teaching, providing our graduates with excellent qualifications and a modern approach to university administration

CONTACT

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#ACADEMIA #RESEARCH #INDUSTRIAL AUTOMATION

AI Discovery Journey

ACCELERATE your AI business by joining a discovery journey to one of the start-up capitals of the world.

EXPLORE how AI can create true business value in practice.

A **PROGRAM** that brings together learning about latest trends, visiting top notch AI driven companies to see AI in action plus workshops to set yourself up for success.

The Focus

- Explore concrete use cases for AI from different angles.
- Visit companies that apply AI in practice
- Meet start-ups that build the latest AI solutions.

Why Berlin?

Berlin, Germany's capital, is one of the most dynamic economic regions in Europe and one of the world's most vibrant start-up cities. It is leading with 54% of all German AI companies and is the fourth largest global AI hub.

Your Opportunity

- Connect with the Berlin AI community: Have a lot of time to work, chat and connect with Berlin AI visionaries.
- Take part in workshops to support the next steps on your AI journey: Get a greater understanding of AI to find the right challenges to tackle.
- Develop your own playbook to apply AI in your company:
Create new ideas and visions, clear the path and get started.

Your Outcome:

- We promise an intense, exciting and insightful trip, with a meaningful outcome. We individually will adjust the workshops to your needs and work with you throughout the journey to make the most out of it.
- Before the session we will discuss your individual expectations to assure you are meeting the right companies.
- With our network of AI companies we are able to select the ones most relevant to your needs.
- Based on your learnings, observations and inspirations we run targeted sessions and workshop to help you reach your goals.
- After the journey we will support you in executing your plans.

GET IN TOUCH TO PLAN YOUR INDIVIDUAL JOURNEY

Email us: info@taival.com

CUSTOM PLANNING AND PERSONALIZATION

We will get back to you and have a deeper conversation to fully understand your expectations and needs. This way we can fine-tune the Journey and prepare the workshops and content.

Build contextual assistants that really help customers

Rasa is the standard infrastructure layer for developers to build, improve, and deploy better AI assistants.

Superior, best-in-class conversational AI assistants

Innovation to stay ahead of the competition

Data security & privacy of an on-prem solution



Rasa is the only serious choice for conversational AI

Learn more at rasa.com

Helping Hand in Customer Service

OMQ is a major pioneer and technological leader in the field of customer service automatization: Through their software products, they make it possible for other businesses to automatically answer the majority of their service requests.

Nowadays, if you contact the customer service of various businesses, you will probably get into contact with Artificial Intelligence (AI). Many service requests are already answered automatically by AI software. OMQ GmbH is a small company from Berlin, responsible for a big part of those automated answers.

Many businesses call upon OMQ's expertise: they count among its clients renowned companies from different industries such as Tchibo, Deutsche Bahn, Magix and Axel Springer. Although their customer service automatization system is used by many on a day-to-day basis, OMQ remains a quite unfamiliar name despite their pioneering work on AI-based customer service technology.

Everything began back in 2009, when Artificial Intelligence used to be in its infancy. OMQ worked on a research project together with the Freie Universität Berlin on application-oriented development of Artificial Intelligence for customer support. In the following years, the company participated in other research networks consisting of the German Research Centre

for Artificial Intelligence (DFKI for its initials in German), Israeli and German universities and other international partners, paving the way for future AI technologies.

As they have been working very closely with scientific research, their products benefited from the vast progress that has been made in the last years. OMQ managed to develop an AI technology similar to that used by cutting-edge companies like IBM, Microsoft or Google.

Matthias Meisdrock and Sven Engelmann's vision is to answer every service request only once by a human service agent. This is possible through OMQ centralized knowledge database, which distributes automatically the knowledge to answer recurrent customer inquiries. While OMQ provides a range of different services such as e-mail, chat and help page, its AI system works right out of the box and learns continuously from all of them, delivering better and more precise answers. OMQ's software supports more than 30 languages, optimally equipping their products for customer services in- and outside Europe.

Given their expertise and background within the field, OMQ is a member of the German Council of Medium-Sized Companies, where it advises the German Minister for Economic Affairs on AI issues. OMQ's team is very active in many events about Artificial Intelligence, both self-organized and external.

With the rise of AI in customer service, they expect to have a wider reach to more companies, and automate more service requests. Up until now, OMQ has solved 25,000,000 service requests through AI.

Our Vision Is to Answer Every Service Request Just Once

MATTHIAS MEISDROCK, CEO OF OMQ



Helsinki

THE ELEMENTS OF AI

370 000

students participated
in over

170

countries

40%

of them women



In 2016, the world economic forum nominated Finland as one of the seven spearhead innovative countries in the information revolution. A year later, at the same time as the first AI Monday was launched in Finland, the Finnish government started an artificial intelligence program, which nominated AI as the driving force of digitalization. Pekka Alapiettilä, ex-CEO of Nokia and the lead of the program stated then that Finland shouldn't neglect to build a globally attractive AI ecosystem to make Finland a front runner in AI.

And Helsinki definitely didn't miss those words.

Currently a hot spot of AI activity in Finland, Helsinki boasts a grand resume of all things AI. From innovative researchers creating fake faces that to intelligent, talking elevators of global manufacturer giants, there are many success stories born in Helsinki and the surrounding capital region.

One of the most famous AI solutions to come from Helsinki is not a program, but a training. The Elements of AI is a series of free online courses created by Reaktor and the University of Helsinki. The course seeks to demystify AI and captures a broad audience to learn the very basics of AI – what is it, and what it can or cannot do. So far, at the time of writing, 370 000 students have taken the course in over 170 countries – 40 % of them women. It's easy to say Helsinki has already made a mark on the AI stage.

The focus on AI has given rise to various startups and consultancies working with machine learning, many of whom have also been showcased in the AI Monday-events over the three years. According to Finnish AI Accelerator FAIA's study on the AI landscape, there are 15 AI product companies, 6 AI-specialized consultancies and 8 enabler companies operating in the area. This naturally doesn't include the myriad of other Helsinki-based companies utilizing and developing sophisticated AI-enabled tools.

Health and public sector have also picked up on the value of artificial intelligence. HUS, or Helsinki University Hospital, coordinates an ecosystem of companies creating new diagnosis and treatments with the help of AI. These capabilities have lately been turned to analyzing and combatting the global pandemic Covid-19.

Overall, Helsinki and the capital area – let's face it, AI Mondays were started in Espoo, the neighbouring city – has succeeded in the goal of creating a vibrant community around AI. That community encompasses enthusiastic students of various fields, a robust support from government and a healthy and varied group of companies who all embrace AI as the creator of future wealth. Welcome to Helsinki!

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Organizer



MICHAEL HANF

PERSON + JOB

Executive Partner at Taival

Michael Hanf, has Master's degree in Business Administration, International Management, Marketing and Business Computing. After working as a freelance Consultant for IT Strategy and Architecture he became Managing Director and CEO of Iksait Ventures. Now he is executive partner and CEO of Taival a consulting firm from Finland.

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[#TAIVAL](#) [#CLIENT CASE](#)



REKO LEHTI

PERSON + JOB

CTO & Executive Partner Taival Advisory

Reko has a continuous love affair with all things technological. His 15 years in consulting and technology leadership roles have fueled his passion for new business models and enterprise architecture. When not scaling the digital hurdles with Taival customers, he enjoys rock climbing in all of its forms.

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PETRI MALMELIN

PERSON + JOB

Senior Advisor in 1001 Lakes

Petri is a seasoned change leader having two decades of experience in visioning and leading change journeys. Petri has been organizing the first AI Mondays and has laid the foundation of this event series. He now moved on to new endeavours and handed over to Reko and Michael.

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Helsinki



AARNE TALMAN

PERSON + JOB

Associate Director, Gartner

TALK

AI Business Value

COMPANY

Gartner



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ALEXANDER TÖRNROTH

PERSON + JOB

AI Accelerator Lead at Technology Industries Finland

TALK

The AI Accelerator

COMPANY

Technology Industries Finland



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DR. ANA KOLAR

PERSON + JOB

Founder of Tarastats, Principal Statistical Scientist, Lecturer

Dr. Ana Kolar is the founder of Tarastats, a statistical consultancy connecting data-users of different shapes with statistical-methodological science. Her statistical training is in causal inference field and since most of questions we ask are of a causal nature, she is a firm believer that a conceptual understanding of the causal inference enhances data analytics outcomes.

TALK

HOW TO STAY AHEAD IN THE WORLD OF DATA AND AI SYSTEMS?

Data is information, but its trustworthiness is locked in understanding how it captures the information. Because data cannot always capture information in its complete form, we enter a missing data problem – a primary cause for all sorts of biases. As a result, data can derive misleading information. To stay ahead, it is important for professionals to unlock statistical thinking skills and develop an effective approach to data-driven decision-making. For data-driven businesses, advancing data analytics with methods for causal inference is recommended.

COMPANY

Tarastats, Statistical Consultancy

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#BIAS #STATISTICS #CAUSALITY



ANTTI HAHTO

PERSON + JOB

Special Advisor at Ministry of Finance

Antti Hahto has various experiences in the research and corporate world. After his PhD in Computational Intelligence, he worked for Coldema and the European Commission, among others. Currently he is a special advisor for the Finnish Ministry of Finance.

TALK

How will society be transferred to the era of artificial intelligence?

COMPANY

Cybercom Group
(now at Ministry of Finance)

Cybercom is an innovative IT consultancy firm. We are Makers of tomorrow. We help our clients capture the opportunities of digitalisation. We provide innovative, secure and sustainable solutions in IT and communications technology by combining technical edge and strong business insight.

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#SECURE AND SUSTAINABLE

#IT-SOLUTIONS



ANTTI J. SAARINEN

PERSON + JOB

Authorized Public Accountant

COMPANY

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ANTTI POIKOLA

PERSON + JOB

Co-lead of the Finnish AI Accelerator at Technology Industries of Finland

Antti Poikola is the co-lead of the Finnish AI Accelerator. He has expertise in developing solutions for the open collaboration between citizens, companies and the public sector organisations. He is active and well connected in Open Data and MyData movements in Finland and internationally. Furthermore, he also co-founded the Open Knowledge Finland (2012) and led the fast growing association from 2014 to 2016.

TALK

Finnish speech recognition is possible!

COMPANY

Teknologiategollisuus
Technology Industries of Finland



The Federation of Finnish Technology Industries is an industry and labor market policy organization with approximately 1,600 member companies. They represent a broad spectrum of electronics and electrical, mechanical and metal products, metal processing, information technology, engineering and consulting. Our activities are aimed at the renewal, growth and

success of Finland and the Finnish Technology Industry in international competition.

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#SPEECH RECOGNITION



ANTTI SYVÄNIEMI

PERSON + JOB

CEO at Houston Analytics

TALK

Industrial AI: Decision Point
Related AI in a Box

COMPANY

Houston Analytics



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Helsinki



ANTTI MERILEHTO

PERSON + JOB

Chief Growth Officer at Houston Analytics

Realizing in 2016 that artificial intelligence will have an impact on all businesses I started to ask questions from people who were active in the scene. I ended up writing a book that became the best selling business book in Finland 2018: Travel guide to AI for business decision-makers.

TALK

The reality of AI today

Most often I talk to business decision-makers. My audience is much more knowledgeable today than it was a few years ago. Still showing real life examples on what machine learning and artificial intelligence are capable of doing today is what I get the most positive feedback.

COMPANY

Houston Analytics Ltd



Houston Analytics brings analytics to everyday business decision making by synchronising data from multiple sources to offer decision-makers easy-to-use predictions and actionable intelligence.

OUR FOCUS AREAS FOR ANALYTICS ARE:

Retail, Industrial IOT and Marketing.

We operate globally with local presence in the Nordics. Currently we employ 40 people in 3 European countries. Our headquarters are located in Helsinki, Finland. We offer state-of-the-art solutions by partnering with global technology vendors and niche solution providers.

Our vertical solutions embed analytics seamlessly into our customers' business processes, delivering improved outcomes and increased returns, one decision point at a time. With the help of Houston Analytics, our clients benefit from the full capabilities of advanced analytics and AI without the need for an army of data scientists of their own. We can help retailers optimise their selection and personnel supporting fast changing customer needs.

We can help retailers optimise their selection and personnel supporting fast changing customer needs.

Houston Analytics was listed by Forrester in their new vendor landscape report regarding customer analytics service providers. We also became the first Nordic company to win the prestigious IBM choice award, selected by customers, in the high-performing new business partner category.

Houston Analytics' retail solutions enable retailers to digitally execute a competitive retailer strategy. Solutions combines all retail information areas (i.e. location, customers, product, space and correlating relations between these) into a holistic entity. This is done by using Artificial Intelligence to find optimal location and layout for each store, optimising supply and offering based on local demand and managing customer dialogue. Houston Analytics retail offering synchronises all data, unlike in traditional data tools where all information areas are treated as separate entities. The power of predictions derived

from real life customer demand is the key factor changing retailer's capability to react to changes in the local competition and customer behaviour.

Houston Analytics retail offering synchronises all data, unlike in traditional data tools where all information areas are treated as separate entities.

These solutions provide the retail chain managers the capability to lead retail chain operations to meet the individual needs of their customers. Until now, no service or solution in the market has been able to provide retail with such a business-critical functionality. With Houston Analytics retail solutions retail chain meets local demand with localized product assortment. This becomes tangible to customers in tens of thousands of locations within the store as well as in data-tailored customer dialogue in hundreds of millions of combinations of messages, mediums and contact points.

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#ADVANCEDANALYTICS #RETAILANALYTICS #REALITYOFAI



ARI JÄRVELÄ

PERSON + JOB

Head of Operations at Tieto,
Finland Country Manager

TALK

AI to boost value based health
and social care – case Espoo

COMPANY



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PERSON + JOB

Sales Leader in Cloud
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COMPANY

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ASHLEY KHOR

PERSON + JOB

Applied Intelligence Lead,
Health and Public Service;
Innovation Center Director at
Accenture Singapore

TALK

Helps government agencies
turn ideas and data into AO for
#smartNation

COMPANY

Accenture



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EDWARD MAUSER

PERSON + JOB

Head of Technology

COMPANY

CGI



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ERROL KOOLMEISTER

PERSON + JOB

Director of Data Science,
Think Big Analytics / Teradata

TALK

AI at scale

Helsinki

COMPANY

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FRÉDÉRIQUE BOUCHARD

PERSON + JOB

Public Policy and Government Relations Department at Element AI

Frédérique Bouchard works in the Public Policy and Government Relations Department at Element AI. After her Master's degree in Global Affairs from University of Toronto, she worked at the Canadian Embassy and the Ministry of Education before joining Element AI.

TALK

Significant Interactions Only

COMPANY

Element AI



Element AI is an artificial intelligence solutions provider that gives organizations unparalleled access to cutting-edge technology. Bringing together the best in entrepreneurship, technology and academic ecosystems, Element AI is building an AI-First World to elevate our collective wisdom.

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#CUSTOMER COMMUNICATION



HANNES TOIVANEN

PERSON + JOB

Co-Founder and CEO at Teqmine

TALK

smart your similarity search

COMPANY

Teqmine



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HANNU ANTILA

PERSON + JOB

VP Sales & Business Development at MOPRIM

TALK

Mobility Behavior

COMPANY

Moprim



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HANNU KARVONEN

PERSON + JOB

Senior Scientist and Ecosystem Lead for Autonomous Systems

TALK

Research Alliance for Autonomous Systems (RAAS) and AI

The principal target of the RAAS ecosystem is to advance research on autonomous transport and logistics in global markets. Our core ambition is to develop and unite world-class excellence in autonomous systems for the benefit of companies and the society. RAAS brings you 1) easy access to world-class scientific knowledge and expertise, 2) first-rate R&D services for autonomous systems, 3) a national and international network of top experts, and 4) inclusive support for autonomous systems testbed development. AI is one key enabler of autonomous systems and RAAS is focused on the application of AI to its focus domains, such as maritime, land transport, work machines, and drones.

COMPANY

Research Alliance for Autonomous Systems



RAAS is the leading interdisciplinary innovation ecosystem and service platform for autonomous systems R&D

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[#AUTONOMOUS SYSTEMS](#) [#MOBILITY](#)

[#LOGISTICS](#)



HARRI KETAMO

PERSON + JOB

Founder & Chairman

COMPANY

Headai



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HARRI LAAKSONEN

PERSON + JOB

E-Commerce Development Manager

As a Development Manager Harri Laaksonen is currently in charge of user experience of the S-group web stores

under Prisma, Sokos, Kodin Terra and Foodie brands. Since late 2007 he has had the privilege to work at the very core of building and developing S-group's eCommerce services from scratch with a team of magnificently talented colleagues.

TALK

S-Shopping List: Do customer need voice UI and do they want to use it?

COMPANY

S-ryhmä



S Group is a Finnish network of companies operating in the retail and service sectors. It has more than 1,600 outlets in Finland. S Group consists of twenty independent regional and eight local cooperatives and SOK Corporation, which is owned by the cooperatives, and its subsidiaries. Cooperatives are enterprises operating in accordance with the principles of cooperative activities.

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HEIDI RAJAMÄKI-PARTANEN

Helsinki

PERSON + JOB

Director on Innovation

Dr. Heidi Rajamäki-Partanen is passionate about the use of technology in creating sustainable future. She is an expert of experimental learning approaches and believes in learning by innovating, co-creating and through dialogue. She is an experienced workshop facilitator and has coached numerous companies in their innovation practices.

TALK

Facial recognition in educational settings

The talk presented a pilot experiment which focused on students' attitudes towards AI and more specifically facial recognition in a classroom setting. The pilot was conducted as an 8 week experiment in an adult education welding shop. The response was enthusiastic and the students hoped for more extensive use of AI in educational settings.

COMPANY

Omnia



Omnia is promoting inclusion, skills and well-being of citizens and boosting the vitality of municipalities, communities and enterprises of the region. Omnia is a large and modern provider of education that offers a wide range of services with a focus on supporting lifelong learning.

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[OMNIA-AI-LAB](#)

[#AIINEDUCATION](#) [#INTELLIGENTSCHOOL](#)

[#FACIAL RECOGNITION](#)



HENRI TERHO

PERSON + JOB

AI Architect

Henri Terho is AI Architect and leading development of predictive analytics for Qentinel Pace. He has been active in building a startup ecosystem in Tampere as chairman for two years. Henri has been one of the key persons in Tampere startup ecosystem and founding member of Tampere Tribe and entrepreneur since 2013. Henri is PHD Student studying software startups. He has and MSc in information technology and BSc in computational systems biology.

TALK

Quality Intelligence, forecasting software metrics

How AI utilizes collected data to give predictions of quality. Henri Terho explains Qentinel approach for predictive analytics for DevOps.

COMPANY

Qentinel



Qentinel is an international software quality assurance provider, based in Espoo, Finland. Qentinel's main product is Qentinel Pace, a cloud-based robotic software testing platform.

We accelerate software development and improve the user experience with robotic testing. We solve demanding testing

problems and provide test automation solutions relying on Qentinel Pace. Our customers are big and medium size companies and organizations with complex backend-systems. Authorities like Finnish Tax Administration, Finnish Customs and many industrial companies like Kone, Metso, Konecranes and Ponsse are counting on Qentinel in software quality assurance. Over 500 Million people use daily software that has been automatically tested by Qentinel.

We believe that any business is only as good as the software driving it.

CONTACT

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WWW.QENTINEL.COM

[#SOFTWARE METRICS](#) [#SOFTWARE QUALITY](#) [#PREDICTIVE ANALYTICS](#)



ISMO OLKKONEN

PERSON + JOB

CEO

Mr Olkkonen is the CEO of an Aalto University spin-off VimAI Oy.

TALK

Seamless AR experience through location awareness

VimAI computer vision-based positioning enables navigation and wide-area AR. The system does not require any device installations, just quick scanning with an ordinary phone.

COMPANY

VimAI



VimAI's computer vision based positioning uses the camera feed of a mobile phone to identify the location and viewing direction of the user. That enables converting buildings of any size to shared AR experiences. The system allows such wide-area AR applications as navigation and contextual virtual content visualisation in buildings like industrial plants, shopping malls, museums, conference centers, hospitals, airports and hotels.

CONTACT

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#POSITIONING #NAVIGATION #AR



JANNE LAUTANALA

PERSON + JOB

Chief Ecosystem and Technology Officer at Traffic Management Finland

Janne Lautanala is an accomplished digital business leader with more than 20 years of professional experience in leading organizations like Accenture, Avanade, Wärtsilä and Nokia. Throughout his career, Janne has successfully established and grown innovation programs, delivered projects and established operational capabilities in Europe and the Asia-Pacific regions.

TALK

AI in Maritime

COMPANY

Wärtsilä (now at Traffic Management Finland)



Wärtsilä is a global leader in advanced technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation and total efficiency, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. In 2016, Wärtsilä's net sales totalled EUR 4.8 billion with approximately 18,000 employees.

CONTACT

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#MARITIME TRANSPORTATION

#EFFICIENCY



JANNE RÄSÄNEN

PERSON + JOB

Ääni Company / CEO

Experienced, entrepreneurial growth business leader, M.Sc., MBA

TALK

Sanelius – Productivity through Respeak, Dictation and Automatic Speech Recognition

We believe in equal opportunity, democratic society and progress through AI tools. At the intersection of these themes, we serve the media sector, public sector as well as private enterprises with AI services that help make information and services accessible to everyone, especially the hard-of-hearing and visually impaired. In this talk, you will learn how Yle, the Finnish Broadcasting Company uses our tools to produce captions for the hard-of-hearing faster and with better ergonomics. You will see how both respeak and dictation directly into any Windows application worked live in May 2019. Enjoy, and feel free to come back with questions and requests for the latest updates on Sanelius!

COMPANY

Ääni Company oy



Ääni Company makes speech and services more accessible and more ergonomic. Our Sanelius solutions increase productivity at work, as speaking is faster than typing. Productivity is achieved by respeak and dictation solutions and real-time speech-to-text services. These help various jobs in the office or on the move. Besides respeak, we provide automatic captioning as well as finalized captions in widely compatible file formats ready for publishing. Captions make audio and video accessible and searchable. We tailor solutions to specific customer needs. Such needs could be e.g. transcription, translation, or subtitling of various kinds. It could also be reporting, documenting or using applications while on the move or when you need your hands for something else than typing. If you need work to get done faster and more ergonomically, we should talk.

Helsinki

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#SPEECH-TO-TEXT #AUTOMATI SPEECH
RECOGNITION #DICTATION, #RESPEAK
#CAPTIONING #SUBTITLES #TRANSCRIPTION



JOHAN HIMBERG

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Chief Data Scientist
at Reaktor

COMPANY

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JUHA TELJO

PERSON + JOB

Senior Director of AI
& Analytics

COMPANY

Salesforce



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JUSSI GILLBERG

PERSON + JOB

CTO and Co-Founder

COMPANY

Yield Systems



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KAIJA SELLMAN

PERSON + JOB

Deputy Country General
Manager

COMPANY

IBM



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KAISA HELMINEN

PERSON + JOB

CEO at Aiforia Technologies Oy

Kaisa Helminen, who studied biochemistry, has already held various positions in the corporate world. Following positions at Finnzymes or Thermo Fischer Scientific, she has been CEO of Aiforia Technologies Oy since 2014.

TALK

We trained artificial intelligence to analyze tissue samples

COMPANY

Aiforia Technologies Oy



Aiforia Technologies is specialised in developing intelligent, cloud-based software solutions for digital pathology using artificial intelligence (Deep Learning) and cloud computing. Our novel Aiforia® Cloud brings fast and accurate diagnostics support for pathologists and researchers, removing slow, manual and inconsistent workflow.

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#DIGITAL PATHOLOGY #DIAGNOSTICS



KAISA SALAKKA

PERSON + JOB

Director of research labs

COMPANY

Unity Monetization



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KATI RIIKONEN

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Head of Industry, Google Finland

COMPANY

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KATJA METSOLA

PERSON + JOB

Vice President

COMPANY

Futurice

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Helsinki



KATRI HARRA-SALOSEN

PERSON + JOB

Chief Digital Officer
at Kojamo Plc

Today Kati Harra-Salosen is responsible for the strategic development and the ICT and development team at Kojamo Plc, a real estate company with a mission to create better urban housing as part of the Executive Team. Before Kojamo, she served as the first Chief Digital Officer for Finnair Plc. She is also Board Member at Veho Oy Ab and Docrates Cancer Center and a finalist in Digital Leader of the Year in 2018/2019.

TALK

Our goal is an intelligent
travel ecosystem

COMPANY

Finnair (now at Kojamo)



Finnair is one of the world's oldest operating airlines. We are proud to offer the fastest and most convenient gateway between Europe and Asia, via Helsinki. We operate one of the youngest and most eco-efficient fleets and are a member of the oneworld alliance. As a forerunner in quality

and regularity, we will get you to places punctually.

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[#INTELLIGENT TRAVEL ECOSYSTEM](#)
[#SUSTAINABILITY](#)



KIMMO PENTIKÄINEN

PERSON + JOB

Vice President, Business
Development at Elisa

Kimmo Pentikäinen is educated in philosophy and design and nowadays creating a sustainable future through 5G & AI. He is currently accelerating new business growth and increasing productivity in Elisa Corporation. The market leader in Finland has the highest mobile data usage per capita in the world. In 2018 they provided world's first commercial 5G network and since then created dozens of new 5G solutions - several of them first in the world.

TALK

Here's how Speech Recognition
works

COMPANY

Elisa



Elisa is a pioneer in telecommunications and digital services. We serve approximately 2.8 million consumer, corporate and public administration organisation customers, and have over 6.2 million subscriptions in our extensive network. Cooperation with Vodafone and among others, enables globally competitive services.

CONTACT

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[#TELECOMMUNICATION](#) [#DIGITAL SERVICES](#)



KIRSTI LAURILA

PERSON + JOB

Chief Adviser

Kirsti is an AI professional with almost 20 years of experience in (big) data, analytics, AI and machine learning. Kirsti started her career in the field of computational sciences at university, where she accomplished a PhD on the computational methods for gene regulatory processes. Later, she has worked with data and modelling in companies such as Comptel, Rovio or Sofor. Her work has included applying AI methods in different application areas such as gaming, genes, telecommunications, occupational safety et cetera. She has also led analytics projects and when working in Sofor, her responsibilities included developing analytics strategy and leading the analytics team. At the moment Kirsti works as a chief

adviser in the fields of artificial intelligence and analytics in Finnish Transport and Communications Agency, Traficom.

TALK

Intelligent safety

Improving the occupational safety is an essential part of the strategy in many industries and companies are ready to invest in it. In "Intelligent Safety" project, funded by Business Finland, Sofor studied how AI can be applied to the collected occupational safety data i.e. to the accident, hazard and near-miss situation descriptions. The aim of the project was to analyze the written descriptions using natural language processing (NLP) techniques. The ultimate goal was to find risk factors which could be attended to and thus prevent future accidents. In the project, one could find trends and correlations and find classifications for different kind of accidents via topic modelling. SSAB and Outokumpu, the international customers of Sofor, participated in the project.

COMPANY

Sofor oy



Sofor combines analytics, AI, digitalization and IT-infrastructure management into one intelligent entity.

CONTACT

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#NLP #AI #OCCUPATIONAL SAFETY



MAIKKI SIPINEN

PERSON + JOB

Seconded National Expert

COMPANY

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MANNE LAUKKANEN

PERSON + JOB

Founder and owner of DataSommelier

Manne Laukkanen builds cloud data assets and data utilization solutions for data Big or small. His references include e.g. cloud data-warehouse building, advanced multivariate analytics, analytics solution architectures on-site and in-cloud, SCRUM

master/technical project manager roles, senior/lead level analytics.

TALK

The application automates the sorting of miscellaneous data

COMPANY

Smart Data Hub (now at DataSommelier)



It is the data holding data science back, not the science. Finding and preparing data is the most consuming part of data scientists' work. We fix that. Our public data store offers a one-stop-shop for thousands of automatically gathered and cleaned external datasets from tens of sources all over the world.

CONTACT

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#CLOUD DATA ASSETS #DATA ACCESSIBILITY



MARKO TURPEINEN

PERSON + JOB

CEO

Dr. Marko Turpeinen is Founder and CEO of 1001 Lakes, and Adjunct Professor at Aalto University. He was the Finnish Node

Helsinki

Director of EIT Digital and Professor in Media Technology at KTH, and worked in executive positions at Alma Media. His research addresses human-centric approach to personal data, and the role of algorithmic power in society.

TALK

MyData

AI applications should be based on fair and transparent practices that preserve privacy and empower people with better means to control personal data use. MyData is a human centred approach in personal data management that combines industry need to data with digital human rights.

COMPANY

1001 Lakes



1001 Lakes facilitates data ecosystems by helping organizations to manage and share data more securely and efficiently, and to enable new insights and data-driven services.

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MATTI SUOMINEN

PERSON + JOB

Head of Product Cybersecurity

Matti gets his inspiration from technology: he wants to understand how things actually work. He actively partakes in the information security community as a versatile columnist and a popular speaker. The popularization of cybersecurity issues is close to Matti's heart in everything he does.

TALK

#fakeeverything – How future of cybersecurity is shaped by trust?

When everything can be faked, what can we still trust? With cybersecurity, trust is everything. From identification to knowing what applications run on your phone, everything starts from knowing what is trustworthy. How cybersecurity fares in the age where everything you see, hear and know can be faked? We take a quick dive into three scenarios and let the game play out.

COMPANY

Nixu



Nixu is a cybersecurity services company on a mission to keep the digital society running. We help organizations embrace digitalization securely.

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[#CYBERSECURITY](#) [#PRIVACY](#)

[#DIGITALIZATION](#)



MEERI HAATAJA

PERSON + JOB

CEO, Co-Founder

COMPANY

Saidot



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MIKKO ALASAARELA

PERSON + JOB

Founder of Inbot

Mikko Alasaarela has a degree in Economics and Business Administration from the University of Turku. The founder of Inbot sees himself as an impact entrepreneur and community farmer. In December 2019 he was co-founder of Open Data Start-Up.

TALK

How AI influences us

COMPANY

Inbot



Inbot helps innovative B2B businesses to get warm introductions to potential customers globally. We help you build trust, provide social proof, and rapidly grow your B2B sales globally, without the need to invest in local offices. Inbot is a purpose-driven business and community. We founded Inbot to make business a more emotionally intelligent activity. Our mission is to end spamming and cold calling, and make the Inbot Ambassador community a global institution of trusted business relationships.

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LANGUAGE PROCESSING #COMPUTER VISION #HUMAN-CENTERED AI SOLUTIONS



MONICA LORA

PERSON + JOB

Senior Solutions Architect

COMPANY

Amazon Web Services (AWS)



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OLLI KUUSISTO

PERSON + JOB

Senior Scientist at VTT

Olli Kuusisto is an experienced Senior Scientist with a demonstrated history of working in research projects. He is a strong research professional skilled in Digital Transformation and in different domains such as health and wellbeing and media, internet of everything, industrial internet, user-centered service design, co-creative prototyping, digital maturity of organizations and process development.

TALK

What is the maturity of artificial intelligence in your company?

COMPANY

VTT



VTT Technical Research Centre of Finland Ltd is the leading research and technology

company in the Nordic countries. Our research and innovation services give our partners, both private and public, all over the world a competitive edge. We pave the way for the future by developing new smart technologies, profitable solutions and innovation services.

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#RESEARCH #DIGITAL TRANSFORMATION,



OTTO NYBERG

PERSON + JOB

Director of research at Giosg

Otty Nyberg, who holds a Masters in Industrial Engineering and a Management, is in charge of data science and research at giosg.com. He works mostly with machine learning and behavioral modeling. The Target-product, giosg's machine learning-based SaaS product, is his design.

TALK

Significant Interactions Only

COMPANY

Giosg



Established in 2011, giosg is a software

Helsinki

company that combines data and artificial intelligence (AI) with feature-rich technology to provide intuitive solutions that deliver the right online trigger, to the right person at the right time - allowing your organisation to operate smarter.

The result? A faster, more streamlined sales process with more sales, happier customers and a significant boost to your return on investment.

CONTACT

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[#CUSTOMER COMMUNICATION](#)



PAULIINA ALANEN

PERSON + JOB

Communications & Marketing Lead, Silo.AI

Pauliina Alanen is a communications professional, who works as Communications and Marketing Lead at Silo.AI. As a Master of Social Sciences, she strives to understand how technology and in particular AI can create value for people. Pauliina has a strong background in startups and working in technology, both from Silicon Valley and Helsinki, Finland. Prior to Silo.AI she worked as Marketing manager and developer community manager at healthcare data company BetterDoctor Inc. in San Francisco. She has also worked as a communications consultant for major global ICT players and at a Finnish mobile startup Jolla for their early journey.

TALK

How will we work with AI?

How we humans work together with new technologies, such as AI? Presenting concrete use cases by Silo.AI, for the legal sector and for urban infrastructure.

COMPANY

Silo.AI



The largest private AI lab in the Nordics. Silo.AI is the largest AI solution and service provider in the Nordics that offers scalable expertise in machine learning, computer vision and natural language processing. Silo.AI strongly believes in the future of human-centered AI solutions to provide strategic assets to the core business of its customers in a measurable, safe and explainable way. The company serves clients across several industries on four continents. Some Silo.AI solutions include a tool for the Finnish airline Finnair to improve situational awareness and a tool to improve water quality at water treatment facilities for the global leading engineering company Ramboll.

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[#AI](#) [#CONSULTING](#) [#MACHINE LEARNING](#),
[#COMPUTER VISION](#) [#NATURAL LANGUAGE PROCESSING](#)



PEKKA VAINIOMÄKI

PERSON + JOB

Country CTO + Digital Manufacturing

Pekka is a mathematician by background, with some 20+ years of industry experience. He's done management consulting, enterprise architecture and systems integration, and often finds himself in a role somewhere between business and technology.

TALK

Applying AI in 2019

In his talk Pekka discussed how AI will be applied in the coming year. He noted that various developments are making AI/ML more accessible for just regular companies. He also argued that AI/ML is only one of the components of a real-life solution, and combining with human capabilities is key.

COMPANY

DXC Technology



DXC Technology (NYSE: DXC) helps global companies run their mission critical systems and operations while modernizing IT, optimizing data architectures, and ensuring security and scalability across public, private and hybrid clouds. Learn more at www.dxc.technology.

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#MANUFACTURING #AUTONOMOUSYSTEMS

#OPERATIONAL TECHNOLOGY



PETRA PIITULAINEN-RAMSAY

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Editor at Faktabaari

COMPANY

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PETRI MALMELIN

PERSON + JOB

Senior Advisor at 1001 Lakes

I'm an entrepreneur and change leader with a passion to drive Data Driven Business Transformations.

TALK

What's possible with AI

I shared seven example of AI tools, services and solutions. Six of the stories were true. One was lie. Can you pick the AI example that is not true?

COMPANY

1001 Lakes



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#DATA LAKES #DATASHARING #DATA CLUBS #AI



PIIA-NOORA KAUPPI

PERSON + JOB

Managing Director

Ms. Kauppi is an highly regarded expert in financial affairs, with a thorough knowledge of the European financial sector and a broad experience in banking, insurance and the securities markets.

TALK

AI case examples from the Financial Sector

Artificial intelligence is a transformative technology for the financial sector, and many companies are at the moment integrating the technology into their core business. In this presentation I gave a couple of case examples from Finland.

COMPANY

Finance Finland (FFI)



Finance Finland (FFI) is the common voice of the Finnish financial sector. We represent banks, life and non-life insurers, employee pension companies, finance houses, fund management companies and securities dealers operating in Finland. Our members also include providers of statutory insurance lines, which account for much of Finnish social security.

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#FINANCE #FINTECH #INSURTECH #REGTECH



RISTO SIILASMAA

PERSON + JOB

Chairman of Nokia and F-Secure

TALK

How Machine Learning works

Helsinki

COMPANY

Nokia



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SAKARI SOINI

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COMPANY

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SARI SIIKASALMI

PERSON + JOB

CIO at iloom.io and Insight
Director at Kreab Worldwide

Sari Siikasalmi is the Co-founder of machine learning and AI (natural language processing NLP) company www.iloom.io in the domain of brand and culture analytics. She is a senior leadership and communications professional with strong experience and networks. She is acting as an Insight Director at Kreab Helsinki counselling clients on strategic communications and insight driven marcom leadership.

TALK

Artificial intelligence helps in
analyzing corporate culture

COMPANY

iloom.io

[i'loom]

beyond words

Examine your employee and customer experience in a new way. Let people speak up, listen to their thoughts and transform the insight into actions. We analyse the authentic text and language that your employees or customers use. Our software applies topic modeling analysis and computing to narrative understanding. Our client receives a visual report which shows the shared experiences and the genuine culture and beliefs.

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[#NATURAL LANGUAGE PROCESSING](#)

[#NARRATIVE UNDERSTANDING AI](#)



SIMO SORSAKIVI

PERSON + JOB

CEO and Founder at Inscripta

Simo Sorsakivi has an academic background in cognitive science, healthcare informatics and business administration. He has been working with support functions in healthcare for the past decade which ultimately had him involved in applied speech recognition, Inscripta's core business.

TALK

Speech Recognition
Understands Doctor Argon

COMPANY

Inscripta

inscripta }

Inscripta provides technologically-assisted transcription services to several industries where highly trained professionals should not spend their time on manual documentation and back office work. These industries include, but are not limited to, medical and judicial sectors, both public and private.

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[#TECHNOLOGICALLY-ASSISTED
TRANSCRIPTION](#)



TANELI TIKKA

PERSON + JOB

Entrepreneur, Investor

Taneli Tikka is an experienced entrepreneur, investor and board member. After his studies in business sciences, he worked for example at Technology Industries of Finland, 52nd Ventures or Vake.

TALK

A look at the hottest trends in artificial intelligence

COMPANY

Vake Oy



The Finnish State Development Company is a forward-looking societal renewer that strives to build a future-proof Finland through active investments and development programmes. The Company promotes pioneering business activities focused on emerging technologies which contribute to the Finnish economy, ownership, skills and jobs as well as wellbeing and security in a globalised economy.

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TEPPO VOUTILAINEN

PERSON + JOB

Head of New Services and Solutions at Kone

TALK

Assess, plan and design your building smarter than ever

COMPANY

Kone



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TERJE ENNOMÄE

PERSON + JOB

CEO at Feelingstream

TALK

Assess, plan and design your building smarter than ever

COMPANY

Feelingstream



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TERO OJANPERÄ

PERSON + JOB

Executive Chairman, Silo.AI

Tero has served at Nokia as EVP of Internet Services, CTO, and Chief Strategy Officer, and was a member of the Group Executive Board.

Tero is also Chairman and Co-founder of Visionplus Venture Fund. He has served on several boards including DNA Plc, Finland (acquired by Telenor), Veikkaus Ltd, Navteq Ltd, USA (now renamed HERE and acquired by German Automotive Companies), and Musicares of Grammy Foundation, USA.

With a PhD in Electrical Engineering, Tero was listed as Fast Company's seventh most creative person in business in 2009, and was nominated as a Young Global Leader by the World Economic Forum in 2006.

Helsinki

TALK

Practical AI

How to get started with AI in six easy steps. Learn how to build a learning loop that creates competitive advantage based on your and partners data.

COMPANY

Silo.AI



The largest private AI lab in the Nordics.

CONTACT

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TIMO HAANPÄÄ

PERSON + JOB

Co-Founder & COO

COMPANY

Curious AI

CURIOUS AI

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TIMO HONKELA

PERSON + JOB

Professor at University of Helsinki

Timo Honkela is Professor at the University of Helsinki. With his Master and PhD in Computer Science and years of university work, he has a strong academic and research based background.

TALK

How will artificial intelligence be utilized in 2019?

COMPANY

University of Helsinki



The University of Helsinki is one of the best multidisciplinary research universities in the world. It is an international academic community of 40,000 students and staff members, operating on four campuses in Helsinki and at 17 other locations.

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[#ACADEMIA](#) [#RESEARCH](#)



TOBY WHITE

PERSON + JOB

VP, Digital Engineering

Toby is a dynamic, experienced visionary leader in data execution and strategy, with a strong track record delivering value at pace. Toby's background is in industrial and B2B sectors, where he has worked with organizations large and small, producing data-driven value and transforming businesses. In Wärtsilä he leads the development of an organization-wide data platform.

TALK

Data driving the marine industry

The marine industry can generate value from data collected from vessels, and predictive models build around that data. Optimizing fuel usage can substantially reduce costs (up to 80bn€ of savings globally), and reduce carbon emissions. There are opportunities at the scale of day-to-day vessel operations, as well as the entire end-to-end voyage.

COMPANY

Wärtsilä



Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable

innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers.

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#SMART MARINE #SUSTAINABILITY



TUOMAS RITOLA

PERSON + JOB

CEO at Selko Technologies

TALK

Intelligent text classification and analytics

COMPANY

Selko



CONTACT

WWW.LINKEDIN.COM/IN/TUOMASRITOLA

WWW.SELKO.IO/



ULLA KRUHSE-LEHTONEN

PERSON + JOB

Co-Founder & CEO

TALK

Industry Ecosystems and Data Business Opportunities

COMPANY

DAIN Studios



CONTACT

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WWW.DAINSTUDIOS.COM



VESA-PEKKA GRÖNFORS

PERSON + JOB

Co-Founder & CEO

Vesa-Pekka – Vesku – Grönfors is the CEO and co-founder of Aito. Vesku has a solid background of tech and product business development with more than 10 years leadership experience in global tech business in companies such as Nokia and Microsoft.

TALK

Adding machine learning to your product – in only 9 minutes

Machine learning is no more just the privilege of data scientists. Software developers are well-equipped for applying machine learning to their products and projects without needing to study scientific methods and algorithms. With the help of real-life examples Vesku shows how the Aito predictive database can be used to apply machine learning to an existing product or add intelligence to a Robotic Process Automation (RPA) within minutes. We demonstrate how the database's query language gives immediate forecasts on sales, demand and customer churn and even predicts missing data points with its in-built machine learning features.

COMPANY

Aito.ai



Aito is a predictive database that brings intelligence to RPA through predictions that are fastest in the market to implement.

In a matter of minutes, without vendor lock-in. Use cases for the predictive database vary from rapidly growing tech companies (e.g. Helsingö, Freska) to larger corporations (e.g. IKEA).

CONTACT

WWW.LINKEDIN.COM/IN/VPGRONFORS

WWW.AITO.AI

#RPA #ROBOTIC PROCESS AUTOMATION
#MACHINE LEARNING

Helsinki



VIIVI NUORTI

PERSON + JOB

Manging General Partnee at Epistemic.vc

Viivi Nuorti is a results-orientated leader with valuable global work experiences in large-scale enterprise digital transformation projects at two Big4's, C-level positions in automation startups, and various board positions. She is educated in international business law, finance, and computer science, with supporting studies in a variety of fields and areas of interests.

TALK

How does intelligent automation help businesses?

Machine learning is no more just the privilege of data scientists. Software developers are well-equipped for applying machine learning to their products and projects without needing to study scientific methods and algorithms. With the help of real-life examples Vesku shows how the Aito predictive database can be used to apply machine learning to an existing product or add intelligence to a Robotic Process Automation (RPA) within minutes. We demonstrate how the database's query language gives immediate forecasts on sales, demand and customer churn and even predicts missing data points with its in-built machine learning features.

COMPANY

KPMG (now at Epistemic.vc)



KPMG is a global network of professional firms providing Audit, Tax, Legal and Advisory services. We have 200,000 outstanding professionals working together to deliver value in 154 countries worldwide. We work closely with our clients, helping them to mitigate risks and grasp opportunities.

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#CONSULTING #LARGE-SCALE ENTERPRISES
DIGITAL TRANSFORMATION



VILLE-PEKKA INKILÄ

PERSON + JOB

Head of Research and Development at Football Association of Finland

Ville-Pekka Inkilä is yearning to uncover various forms of conscious and unconscious human/animal behaviour in order to discover the near-future practical possibilities for synthetic intelligence. Most of the time he looks, wrangles, visualises, models, and tests data from different sources – within the domain of human cognition.

TALK

Student presence was confirmed by face recognition

COMPANY

Yliaisti Oy (now at Finish Football Association)



We at Yliaisti can take care of the analytics part generating the insights and can help you getting those insights into actions. We help our clients to develop their products and services with a new generation of intelligence – Artificial Intelligence.

CONTACT

WWW.YLIAISTI.FI

#PSYCHOLOGY #HUMAN COGNITION



VINCENT KUO, PHD

PERSON + JOB

CEO and Co-founder

Engineer, entrepreneur and researcher based in Finland.

TALK

Business Finland Connection (BFC)

BFC is an enterprise search-, matchmaking-, and analytics-engine, to help Business Finland advisors get on-demand insights on the Finnish innovation ecosystem. The engine analyzes the topical focus, financial strengths and links between innovation actors, with dedicated features for evaluating the innovation potential of organizations/people, stimulating Invest-in-Finland prospects, and facilitating partnerships.

COMPANY

VXT Research



We create software based on natural language processing and semantic text analytics algorithms, in various government and engineering applications. Our solutions help you utilize the masses of unstructured texts in your organization to enhance your own expertise and knowledge workflows.

CONTACT

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WWW.VXT-RESEARCH.COM

#NATURAL LANGUAGE PROCESSING #TEXT ANALYTICS #SEMANTIC SEARCH #SEMANTIC MATCHING #SUMMARIZATION



ZSUZSA MEGYERY

PERSON + JOB

Spacecraft Engineering
Projects Manager at Iceye

TALK

every single square meter,
every single hour

COMPANY

Iceye

ICEYE

CONTACT

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WWW.ICEYE.COM

Currently a hot spot of AI activity in Finland, Helsinki boasts a grand resume of all things AI. From innovative researchers creating fake faces that to intelligent, talking elevators of global manufacturer giants, there are many success stories born in Helsinki and the surrounding capital region.

Stuttgart



110

AI enthusiasts and AI experts at first
AlMonday Meetup at
Porsche Digital's Digital Experience Foundry



#AIMonday0711 an AI community is born

The innovative AI Mondays were launched in Helsinki in 2017. Since 2018, they have been an integral part of Berlin's artificial intelligence scene, and Stuttgart, as the second German location, started in May 2019.

Being aware of the fact that the

Stuttgart-Tübingen region is also known as the „Cyber Valley“ in Germany and Europe,

it is a logical but also tactical step in the right direction. The Cyber Valley, Europe's largest research consortium in the field of artificial intelligence with partners from science, industry and society, attracts researchers and specialists from all over the world. For example, we find five Clusters of Excellence and one University of Excellence around Stuttgart-Tübingen! The strong mechanical engineering and automotive presence in the region and the willingness of these companies to invest in sustainable technologies also creates a wonderful breeding ground for an up-and-coming start-up scene.

This is also reflected in the progressive development of events on AI and AI-related topics.

Around 10 AI Meetups take place regularly in the evening in Stuttgart.

Most of them are already active in high-tech areas, so it is also pleasing to note that, for example, an HR TEC Night, which sees itself as a platform for the exchange and transfer of knowledge on all aspects of HR digitization and HR technology, is continuously dealing with topics on AI and AI-supported HR tools. In this way, HR professionals also learn the necessary handling of AI technologies.

Those meetups are mostly organized through the Meetup platform and have approximately 290 to 2140 members in their public groups. Some of them organize themselves via Eventbrite or Xing events.

Meetups serve to learn about new AI technologies and use cases. These Meetups promote the acquisition of knowledge, the exchange of experience with complex AI problems, enable and sensitize us to the social discourse about the fears of society with AI, as well as to the value of dealing with it.

The time was now ripe for an #AIMonday0711 community in the Cyber Valley Stuttgart!

This could be seen right away at the opening event of the first AI Monday on May 27th, 2019!

The first AIMonday Meetup, which took place in Ludwigsburg at Porsche Digital's Digital Experience Foundry, was attended by about 110 AI enthusiasts and AI experts.



OLIVER EWINGER

Oliver is an active community builder in the Stuttgart region. He has joined all AI Mondays since its start and actively promoting the event ever since.

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Organizer



DANIEL BAREISS

PERSON + JOB

Innovation Manager

Daniel started his career at Porsche as an Innovation Manager in the beginning of 2019. After his first year he moved internally into the IT department to push his main topic "Artificial Intelligence @ Porsche". His background was shaped by studying Business Computer Science (Stuttgart) and by an Executive MBA in Business Engineering (Executive University Sankt Gallen). Working in an innovative field was always his passion. Before he started at Porsche, he was building up the IT-Innovation Management and accelerated a Corporate Startup at a financial company.

CONTACT

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CIHAN SÜGÜR

PERSON + JOB

Technology Portfolio & Demand Management

Since 2018, Cihan has the pleasure to work in the heart of Porsche's IT activities by building the technology portfolio and managing IT demands of business. Born in Dortmund, he has studied business informatics in Stuttgart, Santa Barbara (USA) & Istanbul (Turkey) and worked in more than 20 countries across the globe for IBM, Deutsche Bahn & Olympus – always with focus on building bridges between tech and business. He is the Co-Founder of the World Economic Forum Global Shapers Hub Stuttgart and is leading the AI Chair of the Economic Council of Baden-Württemberg. Together with Daniel Bareiss and Juri Stobbe, they conduct the AI Mondays in Stuttgart, Tübingen and Leipzig.

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JURI STOBBE

PERSON + JOB

Managing Partner Taival Germany

Founder & Co-Organizer of all AI Mondays in Germany

Juri is Co-Founder and Managing Partner of Taival Germany. He has 20 years of technology and management experience in consulting, start-up and international leadership positions. He is inspired by new technologies and trends in order to apply them in innovations and new business models. His focus is on Retail, eCommerce and marketplaces. Already in 2001 he studied Neural Networks in New York and developed first small prototypes. So naturally he was excited bring AI Monday to Berlin and is supporting his clients on all sorts of AI questions.

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Porsche has brought AI Monday to the Stuttgart / Tübingen Region and has been a very active Partner in organizing the events here.

JURI STOBBE, TAIVAL



VALÉRIE CALLAGHAN

PERSON + JOB

Cyber Valley press and public relations officer

A seasoned writer and communications expert, Valérie Callaghan joined the Max Planck Institute for Intelligent Systems in 2019. She is the press and public relations officer for the MPI-IS Tübingen site and for Cyber Valley.

CONTACT

WWW.CYBER-VALLEY.DE

[#CYBER_VALLEY](#) [#MPI_IS](#)

[#MACHINELEARNING](#)



MICHAEL J. BLACK

PERSON + JOB

Director at the Max Planck Institute for Intelligent Systems and Cyber Valley Spokesperson

Michael J. Black is a computer scientist and founding director of the Max Planck Institute for Intelligent Systems in Tübingen, where he heads the Perceiving Systems department. He is among the world's leading researchers in the fields of computer vision, machine learning, and computer graphics. Black is spokesperson of the Cyber Valley research consortium.

CONTACT

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[#CYBER_VALLEY](#) [#MPI_IS](#)

[#MACHINELEARNING](#)

Bwcon is an innovation cluster and network of around 700 high-tech and IT companies and more than 6000 experts from Baden-Württemberg.

For more than 20 years we have been supporting SMEs through projects at state and EU level such as "Innovative Services and Processes with AI". Through a cooperation with UC Berkeley we can support our member companies with a technology transfer from Silicon Valley. Current key topics include AI, Blockchain, Mobility and digital business models, which we promote both for small start-ups and the big players throughout Baden-Württemberg.





Tübingen





Cyber Valley: Shaping the future of European AI

Cyber Valley is Europe's largest research consortium in the field of modern AI. Together, partners from science, industry, and society shape a unique ecosystem that promotes world-class basic research and technology transfer. This combination of strengths has made the Stuttgart/Tübingen region a global hotspot for research in machine learning, robotics, and computer vision.

Founded at the end of 2016, Cyber Valley has consistently attracted top scientists from the best universities and research institutions around the globe. Based on the number of publications at the world's most competitive machine learning conferences (NeurIPS and ICML), the research consortium ranks in the top ten worldwide and is number one in Europe and Germany.

Training up-and-coming scientists is one of the research consortium's top priorities. To this end, the

International Max Planck Research School for Intelligent Systems (IMPRS-IS) was founded in 2017. Until now, the PhD program has received more than 2000 applications from the world's top young talents. Some 120 students are currently enrolled in the program, with a fourth cohort set to begin in the spring of 2020.

Another central goal is to provide fertile ground for start-ups. After all, when it comes to the development of intelligent systems, the path from basic research to commercialization is often very short. Start-ups that originate in the research environment are the engines of this development. The aim is to combine top-class research with entrepreneurial spirit to promote spin-offs and technology transfer.

CyberValley

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CHRISTOPH AMMA

PERSON + JOB

Founder and MD Kinemic GmbH

Christoph Amma has studied informatics at the Karlsruhe Institute for technology and won several prizes, such as Otto-Haxel-Preis or Google Faculty Research Award. In 2015 he founded Kinemic GmbH,

TALK

Understanding human motion – how to improve the way we interact with technology

COMPANY

Kinemic



With Kinemic Band we're bringing gesture control to the industrial reality. Free yourself from keyboard and touchscreen! With our robust and dependable gesture control we're giving you the necessary tool. Control your smartphone, tablet, PC or smartglass just with a little swipe in the air! But why limit yourself? Of course you can control all other digital devices, from drones to TVs and robots as well. We've developed the best gesture interaction system to make your processes easier and your work experience more comfortable

CONTACT

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KATRIN-CÉCILE ZIEGLER

PERSON + JOB

Digital Economist, Journalist, Speaker

Katrin is an economist, journalist and speaker. According to LinkedIn she is part of the top 1 percent of her branch and achieves highest satisfaction of customers. She worked 15 years in a leading position as a Project Manager and is an expert on Industry 4.0, Artificial Intelligence and Digitalization.

TALK

BCI & Mind Control: AI in Neurotechnology. What's the status quo?

Although the field of neurotechnology pursues the goal of digitally networking our brain via interfaces, it has received little attention in the European discourse so far. But not only Elon Musk wants to be the next winner of the conquest of human brain. Patents have increased over 500 percent in the last few years. The innovative healing chances of Neurotechnology with AI are impressive. On the other hand, the impacts on mental privacy are ethically questionable. Katrin clarified both sides in a comprehensible manner and illuminated in her keynote the technological status quo.

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PROF. DR. PATRICK GLAUNER

PERSON + JOB

Founder & CEO of skyrocket.ai GmbH

Patrick Glauner is Full Professor of Artificial Intelligence at Deggendorf Institute of Technology.

TALK

How to Push the Boundaries of Your Business with AI: Lessons Learned Along the Entire Data Journey

Patrick Glauner, former Head of Data Academy at Alexander Thamm GmbH, was talking about why most AI projects never make it beyond the proof of concept phase. He then provided best practices on how to improve this ratio considerably. As an outcome, his talk triggered the audience to rethink their businesses in order to become an AI-driven company that prospers in an ever more competitive environment.

COMPANY

skyrocket.ai GmbH



skyrocket.ai empowers companies, board members and executives to become the winners of the digital transformation. With the right use of Artificial Intelligence,

Stuttgart

German and European companies will remain world market leaders. We would also like to help you to use AI in your company in order to quickly add real business value.

CONTACT

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WWW.SKYROCKET.AI

#EXECUTIVEADVISORY #COACHING



SABRINA GOERLICH

PERSON + JOB

Founder, Innovation Facilitator and Trainer with a focus on Business Design, Strategy and Product Innovation



KATJA FISCHER

PERSON + JOB

Trained facilitator of innovation workshops, using tools as Design Sprint and/or LEGO® SERIOUS PLAY®.

TALK

VOICE Design Sprint: SOS – My AI Assistant does not understand

Using a serious game called “Speech Dating”, Sabrina and Katja let the audience experience what can go wrong in a conversation with voice apps. Voice Design Sprint - created by Maaïke Coppens - integrates qualitative and quantitative data from user research and serious games, so that the developed application is not only based on AI, but also complemented by actual human interaction. The Voice Design Sprint makes sure your customer and your voice assistant will be able to communicate.

COMPANY

DesignSprintStudio



We strive to match design, tech and business in a meaningful way. We enable teams to innovate – products, processes and business! And we do that fast!

CONTACT

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WWW.DESIGNSPRINTSTUDIO.COM

#VOICEDESIGNSPRINT #DESIGNSPRINT

#DESIGNLAB



KAI GOTTHARDT

PERSON + JOB

Product Owner LEAD.AI and Head of Portfolio Strategy at DB systel GmbH

Kai Gotthardt has studied International Management at ESB Business School and has a Master's in Public Administration from Hertie School of Governance. Before joining Deutsche Bahn and becoming Head of business development, he started his career with an Internship in Key Account Management at Lufthansa. Today, he is working at DB Systel GmbH where he is product owner from LEAD.AI and Head of ICT Portfolio Strategy.

TALK

Transforming more than 180 years of steel into a digital business with the help of AI

COMPANY

DB Systel



At DB Systel we are the digital partner of Deutsch Bahn, reshaping the future with digitalization such as Acoustic Infrastructure Monitoring, AI, Blockchain or robotics. For the successful transformation of Deutsche Bahn, we are starting with the core process by using flexible systems, dynamic processes and guaranteed security.

CONTACT

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#DB SYSTEM #DIGITAL BUSINESS



ROLAND H. HEGER, PHD

PERSON + JOB

Prof. at ESB Business School,
Head of STC Business
Development

Roland Heger is a professor for international business with focus on analytics and simulations in marketing and sourcing. He worked at KPMG and Kodak before. Among other topics, he teaches business research, and guided hundreds of (proprietary) consumer, B2B, and sourcing market studies for companies of all sizes. Currently, he focuses on digitization, AI, and digital assistants.

TALK

How to get a little help from digital AI friends

Roland Heger gave insights into how AI-powered software as digital assistants can help us automatically manage a great variety of current human tasks. He epitomized, in the future, we may communicate more often with a chatbot, than with our spouse. He explained the difference between rule-based and AI based bots, and exemplified how bots work with product search over the web.

COMPANY

STC Business Development, ESB Business School

The STC Transfer Center Business Development at ESB Business School helps companies transform research findings into their routine business processes at all activity levels, be they regional, national, or international.

CONTACT

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#AI #DIGITAL ASSISTANTS #BOTS
#ANALYTICS #DIGITIZATION #BUSINESS
DEVELOPMENT #MARKETING #SOURCING
#SIMULATIONS



ANJA HENDEL

PERSON + JOB

Managing Director at diconium
(today)

Anja Hendel studied computer science and acquired several years' experience at the European pharmaceutical wholesaler Celesio AG, now McKesson Europe, and IT consultancy Capgemini. Most recently she was director of the Innovation Management and Digital Transformations Finance department at Porsche AG and worked in Berlin as Director of Porsche Digital Labs. Since Jan 2020 she is Managing Director of diconium.



SIMONE SCHULZ

PERSON + JOB

Program Director AI@Porsche
& Digital Enterprise – Dr. Ing.
h.c. F. Porsche AG

Simone Schulz is Program Director AI@Porsche and has worked in different roles at Porsche since 2017. She has a long working history at the IBM Research and Development GmbH since the early 90ies. She holds a Master of Mechanical Engineering from the University of Stuttgart.

TALK

Intro to AI Monday and Porsches AI Program

Since Porsche is one of the Partners of AI Monday in Stuttgart both Anja and Simone shared their prespective and the importance of such an event. They further gave an introduction to the AI initiative at Porsche and some examples of AI prototypes that have been developed.

COMPANY

Porsche



PORSCHE

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Stuttgart

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SEBASTIAN KLENK

PERSON + JOB

Managing Director at
5Analytics

Sebastian Klenk, who holds a degree in computer science, founded the company 5Analytics in 2015 and heads it as Managing Director. Prior to that, he has held various positions in the academic field and in the private sector.

TALK

Making AI and Machine Learning happen inside the Enterprise

Sebastian Klenk spoke about problems that companies that use AI are exposed to. As a solution for problems like the integration of AI projects into existing processes, he presented the Enterprise AI Platform developed by 5Analytics, which simplifies the whole integration of AI prototypes into production environments.

COMPANY

5Analytics



5Analytics provides industrial strength, highly scalable AI software solutions that

power manufacturing, quality control and other key business processes at leading global companies like Volkswagen and Merck. Our solutions seamlessly integrate with existing applications enabling AI solutions to be developed and deployed AI in days not weeks or months.

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#AI INTEGRATION



ALEXANDER KOLBAI

PERSON + JOB

Head of IT/Artificial Intelligence/Information Security Officer
Mercedes-Benz GTC

Alexander Kolbai is an experienced Head of IT and Information Security Officer and Trainer for digitization and AI at Mercedes-Benz GTC GmbH. He has many years of international project experience. In addition to his work at Mercedes Benz GTC GmbH, he is a freelance management researcher, consultant, trainer and speaker in the areas of digitization and artificial intelligence, and co-founder of Connected Automated Driving.

After many years as a tech enthusiast, he researches and develops himself on self-driving vehicles and new mobility solutions.

TALK

From DoltYourself RoboCars to real autonomous vehicle

Alexander Kolbai and Rainer Bareiss talked about their "Connected Autonomous Driving" meetup and the process of tinkering with DoltYourself RoboCars to real autonomous vehicles. "Connected Autonomous Driving" is the platform for tech enthusiasts and interested parties to exchange all about autonomous and electric driving and artificial intelligence. They started to build their own DoltYourself RoboCars (Model vehicles 1:10) and equip them with the camera based behavioral cloning autonomous software from diyrobocars.com.

Behavioral cloning: You record driving (Steering and Speed) and image data and train the vehicles with the help of fast NVIDIA GPU driven Hardware and a Neural Network based on Keras AI to drive the Model Car autonomously.

Alexander Kolbai took the next step and developed a Kid Car with real Autonomous Car components like Cameras, Lidar, Radarsensor, GPS, Microphones, cc.. to get more experience in Autonomous Driving and do the last Step to bring this experience to develop a real autonomous car. The goal is to analyze autonomous and electric driving from scratch, the technologies behind and their state as well as where the journey might go. The platform makes the whole thing accessible to a broad community through hands-on training and workshops (DIYRoboCar building) in order to build a real autonomous car sooner or later. Alexander & Rainer even brought 2-3 vehicles and presented them.

COMPANY

Mercedes Benz Deutschland
MB GTC

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#AUTONOMOUS DRIVING #ARTIFICIAL INTELLIGENCE #DATA AND INFORMATION SECURITY #CLOUD



GIANMARIA LEO

PERSON + JOB

Senior Operations research Engineer at IBM

Gianmaria Leo holds a master's degree in Operations Research and Management Engineering. He started working as an Operations Research Analyst at Staer Sistemi and later at OpTrail. Nowadays he is working at IBM as Manager for Operations Research in Data Science and AI.

TALK

Making AI and Machine Learning happen inside the Enterprise

COMPANY

IBM



At IBM, work is more than a job - it's a calling: To build. To design. To code. To consult. To think along with clients and sell. To make markets. To invent. To collaborate. Not just to do something better, but to attempt things you've never thought possible. To lead in this new era of technology and solve some of the world's most challenging problems.

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MICHAEL MÖRIKE

PERSON + JOB

Integrata Stiftung

Michael Mörike has a diploma in experimental nuclear physics from university of Tübingen. He worked as project leader at INTEGRATA and izn. Since 2009 he is executive member of the board at the INTEGRATA Stiftung.

TALK

AI and ethics

What role plays ethics in the field of AI? Michael Mörike introduced us to the ethical robot and how the topic of ethics plays an important role in this field.

COMPANY

Integrata



The idea of the founder of the Integrata Foundation for the humane use of information technology is already expressed in its name: the humane use of information technology is an approach between decoupling (liberation) and alienation of society through the tool of information technology. It is to be used above all to create added value for society, i.e. to improve the quality of life for each individual person and for humanity as a whole.

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#AI AND ETHICS



FRIEDRICH MÜNKE

PERSON + JOB

Doctoral Student at KIT in cooperation vialytics

Friedrich Münke is currently working on his doctoral thesis, which he is writing in cooperation with vialytics, where he is employed as machine learning specialist. Prior to this, he received his master's degree in mechanical engineering from the Karlsruhe Institute of Technology.

TALK

In his talk Friedrich Münke presented the innovations of vialytics. He showed how they at vialytics use neural networks to help monitoring road quality and thus enable quick repairs. He also discussed how neural networks can be improved using the concept of Stacking Generalization.

COMPANY

vialytics



vialytics - AI for better streets. At vialytics we enable cities to keep track of their road conditions. We offer a smartphone based solution that can be installed in any municipal vehicle, to permanently monitor

Stuttgart

pavement defects like cracks or potholes detected by our AI.

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#MOBILITY #ROAD CONDITIONS



RAOUL SCHÖNHOF

PERSON + JOB

Project Manager at Frauenhofer

Raoul Schönhof, who holds both a Master in Technology Management and a Bachelor of Laws, has been working at Frauenhofer IPA as a doctoral student and project manager since 2019. His expertise lies especially in the areas of Computer Vision, AI Engineering, System, Industrial property rights, and patent law.

TALK

Artificial Intelligence (in a Nutshell)

In his presentation, Raoul Schönhof really started at the very beginning to describe what artificial intelligence is, what it can do and what possible applications there are.

COMPANY

Fraunhofer IPA



The Fraunhofer IPA was founded in 1959 and employs nearly 1000 people. Our future and key topics are biointelligent value creation, digital transformation in the context of Industrie 4.0, energy storage, frugal production systems, artificial intelligence in automation, lightweight construction and resource efficiency.

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#LAW AND AI #RESEARCH



VANESSA DEBORAH VIELLIEBER

PERSON + JOB

Data Science Manager at MHP

Vanessa Viellieber has master's in Business Engineering from the Karlsruhe Institute of Technology. While working on her PHD at Ludwigs-Maximilians University of Munich she became a data science Manager at MHP.

TALK

Natural Language Processing – Mandatory to exploit 80% of your unused data potential

Vanessa Viellieber explained that nowadays only 0.5% of all data is being used. Over 80% of the unused information is in form of texts and other unstructured data. Cheap computing power and the accompanying developments in the field of artificial

intelligence enable constant progress in the handling of complex data. Vanessa presented the possibilities for the analysis of text data using Natural Language Processing (NLP) methods within different use cases.

COMPANY

MHP



A PORSCHE COMPANY

Welcome to the future MHP is a globally active, leading management and IT consulting company. We develop pioneering mobility and manufacturing solutions for international corporate groups, established medium-sized companies and disruptive start-ups. As a premium business and technology partner, we are shaping the digital future of tomorrow already today. Our consulting approach is unique: We combine holistic IT and technology expertise with in-depth management and sector know-how. MHP is thus the ideal consulting partner for the digital transformation. With over 2800 employees, we promote digital progress at 16 locations worldwide– together with over 300 customers. MHP: DRIVEN BY EXCELLENCE

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#NLP #AI #DATA SCIENCE #DEEP LEARNING #STATISTICS #MACHINE LEARNING #USE CASE ACCELERATION



ROBERT WEISSGRAEBER

PERSON + JOB

MD and CTO at AX Semantics

Robert is one of the top speakers and author on topics such as agile software development or NLG technologies. He started his career as a Project Leader at Lightwerk. After that he worked at aexea as principal and a chief product officer. He is now CTO and Managing Director at AX Semantics. In 2019 he became Member of Forbes Technology Council.

TALK

Natural Language Generation: Hard Tech Problems and the state of the art

There is an overwhelming demand for quality content across industries and specialties: e-commerce, journalism, business and finance. However, it is difficult to find the right tools to generate content through traditional means. Hiring people to write a large volume of content is expensive and impossible to scale. AX Semantics software is intuitive and quickly able to generate all the content needed to keep pace with your business needs. AX software is 100% SaaS – everything is available from your desk via your web browser, no programming or IT departments required. The self-service with integrated e-learning allows customers to start automating text within 48 hours.

COMPANY

AX Semantics



AX Semantics is an AI-powered, Natural Language Generation (NLG) software company with its roots grounded in content and storytelling. The sophisticated, yet easy to use SaaS-based software makes automated content generation accessible to customers of all sizes, is used widely within the e-commerce, business, finance and media publishing sectors. Available in 110 languages, AX Semantics works with more than 500 customers, including globally recognized brands.

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[#NLG](#) [#NATURAL LANGUAGE GENERATION](#)

[#CONTENT AUTOMATION](#) [#SAAS](#)



SILVANA HINSEN

PERSON + JOB

Senior Consultant at EY

Silvana Hansen holds a master's degree from the University of Cologne in Business Informatics and Information Systems. She completed an internship at EY during her studies, joined EY as a full-time employee after graduation and now works as a senior consultant.

TALK

How human can artificial intelligence be?

Artificial intelligence is becoming increasingly important for society and companies. How does this change human interaction with AI? Silvana together with Fraunhofer has conducted a study and she presented the results but also had a good discussion with the audience.

COMPANY

EY



The global EY organization is one of the market leaders in auditing, tax consulting, transaction consulting and management consulting. With our experience, knowledge and services we strengthen confidence in the economy and financial markets worldwide

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ROBIN HIRT

PERSON + JOB

Co-Founder at prenode

Robin Hirt obtained his PhD at the Karlsruhe Institute of Technology (KIT) in applied artificial intelligence with a strong focus on meta and transfer machine learning technologies. While conducting his PhD, he worked on various data science and AI projects, published multiple papers to scientific outlets and was a visiting researcher at the MIT-IBM Watson AI Lab in Boston.

Stuttgart



RONNY SCHÜRITZ

PERSON + JOB

Co-Founder at prenode

Ronny Schüritz is a co-founder of prenode, a company that provides solutions for the development and management of AI on distributed data sources without risking the exposure of sensitive data.

He is also a Research Fellow at the Center for Information Systems Research (CISR) at the MIT Sloan School of Management and a Senior Research Advisor and Lecturer at the Karlsruhe Institute of Technology.

TALK

AI without data access is not possible? Yes it is!

Companies today need to provide AI-based features and experiences with their products. Especially B2B-customers are not always willing to share the required data with the provider. Robin and Ronny introduced new privacy preserving technologies that enable the development, deployment and management of machine learning models in decentralized systems.

COMPANY

Prenode



Prenode is a spin-off of from academia that brings innovative Machine Learning (ML) technologies from research to practice. It offers solutions that enables business to

develop, manage and deploy ML Models on federated data.

CONTACT

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PHILIPP GÖLLER

PERSON + JOB

CEO at paraboot
Data Science

Philipp Göller is the Co-Founder and CEO of Paraboot. After graduating in Economics at the University of Hohenheim, he worked as a consultant with the Dymatrix Consulting Group.

TALK

Will Data Science abolish itself through automation?

Automated machine learning (AutoML) is a vastly growing field and will change data science processes in the future. Do we really need humans to build predictive models or will automation frameworks take over the work of data scientists? Philipp critically reflected his thoughts and shared his experiences and preview.

COMPANY

Paraboot
Data Science



Paraboot Data Science maximizes the added value of its customers by using artificial intelligence. Through the predictions of Paraboot, CRM activities can be controlled better and easier. As a result, response rates and sales figures can be increased.

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#CUSTOMER MANAGEMENT



FABIAN SEEWALD

PERSON + JOB

Creative Dynamo & CEO
at DUNDU

Fabian Seewald is the creative dynamo and performer in one of the most amazing performing arts companies out there: DUNDU - The Giants of Lights: inspiring the crowds around the world and sharing the light. Furthermore, he is facilitating and co-creating the innovative approach of Puppetry for Team Success called DUNDU-Teambuilding and Puppet Thinking.

TALK

Create your own fusion

In an artistic performance, Fabian Seewald visualizes the power of convergences

in the age of exponentials. Through research insights in neuroscience and the experience in the arts, he invites the audience to create their own fusion.

COMPANY

DUNDU



We are using the Dundu puppet as an innovative tool in different sets of workshops. In challenging scenarios, Dundu represents the collaboration and communication platform of the group. In a playful manner, the participants learn and experience on a very intuitive way to communicate effectively and become aware of their role in the team.

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#TEAMBUILDING, #COMMUNICATION



For next events visit:

www.ai-monday.de/stuttgart

Tübingen



PROF MARCO HUBER

PERSON + JOB

Deputy Director of the Institute of Industrial Manufacturing and Management IFF at University of Stuttgart

Prof Marco Huber is Deputy Director of the Institute of Industrial Manufacturing and Management IFF at University of Stuttgart and with Fraunhofer IPA in Stuttgart, Germany. As a full professor for cognitive production systems, he manages and conducts R&D projects on artificial intelligence and machine learning applied on manufacturing, automation, and robotics.

TALK

Explainable AI – Introduction and Application to Neural Networks

Modern AI applications frequently use deep neural networks to find patterns in large datasets and learn complex relations in the data. The aim of Prof Marco Huber's talk was to introduce a practical method for extracting human-comprehensible information on the internal processes from (deep) neural networks.

COMPANY

Fraunhofer IPA



The Fraunhofer IPA was founded in 1959 and employs nearly 1000 people. Our future and key topics are biointelligent value creation, digital transformation in the context of Industry 4.0, energy storage, frugal production systems, artificial intelligence in automation, lightweight construction and resource efficiency.

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#EXPLAINABLE AI #MACHINE LEARNING
#DEEP LEARNING

THE RESEARCH INITIATIVE "CYBER VALLEY",

located in the Stuttgart/Tübingen region and host of "AI Monday" in November 2019, is Europe's largest AI cluster. It was established at the end of 2016. Its members are the Max Planck Institute for Intelligent Systems, the Universities of Stuttgart and Tübingen, the state of Baden-Württemberg, the Fraunhofer-Gesellschaft and seven industry partners. Cyber Valley research groups and professorships focus on machine learning, robotics, and computer vision and are headed by top scientists in their respective fields. Therefore, there could hardly have been a better venue for "AI Monday" than the Tübingen campus.

In October 2019, the Fraunhofer-Gesellschaft joined Cyber Valley with the Fraunhofer Institutes for Industrial Engineering IAO and for Manufacturing Engineering and Automation IPA. Their role in the Cyber Valley is the transfer from basic research technologies into applications in industry, particularly in small and medium-sized enterprises (SME). To realize this technology transfer, both institutes found the AI Innovation Center "Learning Systems". It offers new and easy-to-access formats such as Open Lab Days and Quick Checks, which are swift feasibility studies for an AI-focused application or use case in the fields of manufacturing or service industry.

In all its activities, the AI innovation center aims to implement human-centered AI that people trust and accept.

The full potential of AI can only be realized once people interact and work closely with new technology. To realize human-centered AI, research activities focus on topics such as privacy, safety, the robustness of AI technologies and their explainability (xAI). The latter was the topic of Prof Marco Huber's presentation at "AI Monday".

So far, most machine learning (ML) methods like deep neural networks are considered a "black box". This means that even for experts it is difficult or even impossible to understand why an algorithm made a certain decision. For some applications, this is not critical, for example, when recommending a purchase in an online shop. In domains such as manufacturing, medicine or autonomous driving, however, transparency and explainability are prerequisites for ML methods. If ML stays a black box, there is the risk that it will not even be approved for use. In addition, user acceptance and trust in the technologies will decline, if the user does not understand how a decision was made. Finally yet importantly, from 2018, the new General Data Protection Regulation stipulates that decisions taken automatically that affect people, such as a refusal of a credit, must be explainable.

Depending on the ML method, there are different ways of making a complex model such as a deep neural network explainable. It can either be globally oriented, i.e., explain the model as a whole, or locally oriented and explain why a certain input leads to a certain output. The first possibility is to create a surrogate model that simulates the black box model and makes largely identical predictions. The surrogate is therefore a white box model and allows global explanations. Local explanations instead can be provided by so-called counterfactuals. These break down which detail of the input data actually produced a result and indicate which parts of the input to modify in order to alter the result. This tool not only makes ML applications easier to understand, but also contains a recommendation for action. Finally, explanatory representations are a third way of providing an explanation and making it very user-specific. Here, models can be visualized or explained with the help of narratives, virtual reality, animations or voice output.



DANIEL BAREISS

PERSON + JOB

Innovation Manager

Daniel started his career at Porsche as an Innovation Manager in the beginning of 2019. After his first year he moved internally into the IT department to push his main topic "Artificial Intelligence @ Porsche". His background was shaped by studying Business Computer Science (Stuttgart) and by an Executive MBA in Business Engineering (Executive University Sankt Gallen). Working in an innovative field was always his passion. Before he started at Porsche, he was building up the IT-Innovation Management and accelerated a Corporate Startup at a financial company.

TALK

AI at Porsche

Daniel gave an introduction to the AI program at Porsche and how Porsche develops into an AI driven company. He also shared some real examples of AI prototypes they are currently working on and the challenges as well as learnings.

COMPANY

Porsche



PORSCHE

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PETER DROEGE

PERSON + JOB

CEO

Peter Droege is Co-Founder and CEO of Layer7 AI, a Cyber Valley spin-off startup. Before that he worked as a consultant for the Boston Consulting Group. During his study of business administration, Management and Finance he gained experience in various stages, e.g. at Allianz, Deutsche Bank or Oliver Wyman.

TALK

Automating quality control with AI

Today, visual quality control is still performed manually by countless workers. AI can help to automate this tedious visual control tasks, while simultaneously providing companies with insights about their current, historic and future level of quality.

COMPANY

Layer7 AI



Layer7 AI helps clients identify, implement and maintain customized AI solutions. Since "off-the-shelf" solutions rarely meet companies' expectations we offer tailored project support from identifying relevant AI use-cases to implementing and maintaining AI models.

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WWW.LAYER7.AI

[#QUALITY MANAGEMENT](#)



DR. JOHANNES STELZER

PERSON + JOB

CEO

Before founding Colugu in 2017, Johannes Stelzer worked almost 13 years in the academic field. At the Max Planck Institute his major fields of study were Machine-Learning, statistic, neuro-science and imaging process.

TALK

Dr. Johannes Stelzer talked about applying AI based on two Tübingen stories. Outside the sphere of basic research, there are further exciting activities fueled by artificial intelligence in Tübingen. He introduced two of these: his startup colugo.ai, which transfers AI solutions to business. Secondly, their AI art collective, where they work on projects relating to digital art generation using AI.

COMPANY

Colugu GmbH



Colugu GmbH is a consulting company supporting its customers with AI technology for strategic business development. Using AI based analysis they develop and implement customized solutions. Moreover, the team of Colugu is forms also the collective "Lunar Ring", aiming at fostering the exchange between artists and scientists.

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[#BUSINESS SOLUTIONS](#) [#INDUSTRIAL CONSULTING](#) [#PROCESSOPTIMIZATION](#)

Leipzig



Leipzig AI community

LEIPZIG AI COMMUNITY

Located in the centre of Europe, the city has a long tradition of combining science and economy – the University and the Fair are both one of the oldest still active ones in Europe. In the late 2000s the city prospered significantly and became the 2nd most important hub in the entire Eastern part of Germany, right after Berlin. With a vibrant Start-up scene (> 100 as in 2019) and heavy investments in new mobility (e.g. BMW is producing the i3 here) the city was recently called Hypezig and shows many aspects of the founding momentum in Berlin around 10 years ago. With HHL exists also an internationally renowned business University, which also has its own incubator program. But also other Venture Capital firms, Think Tanks and Incubators are located in the “Hip West” of the city which has become the hometown to many Generation Y IT specialists and their families with all the lifestyle cafes and clubs in their very proximity.

ECO SYSTEM

There is a significant 2-digit number of companies in the city which have AI solutions and services in their portfolio - ranging from Health over Car retail digitalisation to Insurance process automation. Even though many companies are not making a big fuzzi around their offerings, they have developed very clever assets and technologies.

There are several AI Meetups and gatherings in the city ranging from business congresses down to small developer meetups. As the city appeals many students and workers from abroad the standard language on those events is English.

With 200 members in their Alumni, AI Monday represents one of the most attractive reoccurring happenings in the area. You can check the agenda of our next sessions here: <https://ai-monday.de/leipzig>.

JAN NOWAK
Founder AI Monday Leipzig

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Organizer



JAN NOWAK

PERSON + JOB

VP Projects & Technology
at Appsfactory GmbH /
Co-Founder AI Monday

Jan Nowak is a Technology Executive with more than 15 years of professional experience in software development and 10 years of leadership expertise. Having worked in a broad set of industries such as Consumer Software, Location Based Services, Transportation and ERP, he is now applying his experience at Appsfactory in order to identify digitalization and automation opportunities for clients from all sectors and sizes. Next to his responsibility for the Project Management Organisation, he is also leading a growing team of AI / ML experts. In 2018 he joined the AI Monday movement as a Co-Founder of the German chapter, leveraging his long lasting experience in ramping up successful global tech communities, such as WhereCamp Berlin or GeoMonday. In 2019 he moved to Leipzig and leads the chapter here.

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PORSCHE IS CO-ORGANIZER AND
PARTNER OF THE AI MONDAY IN LEIPZIG.

Realizing the potential of AI in today's applications

The opportunities in AI are huge. Billions of savings are estimated for every industry according to several recent studies, such as McKinsey. But still, why do so many AI projects not evolving beyond the lab status? Why are many companies struggling to apply AI in their projects?

A core obstacle is in the nature of AI itself, seeing by many as a savior in a black box. Therefore related projects get started with unspecific and overarching goals and a lack of market focus. At Appsfactory we use all kinds of Artificial Intelligence to improve existing services and processes with an impact on mass market solutions. With clearly defined focus areas we can easily increase our client's KPIs by 20% or more.

We help succeeding our clients in the media sector, manufacturing, automotive, finance and healthcare by developing individual solutions that create significant competitive advantage.

PROJECTS OF APPSFACTORY

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Projects

>200

Employees

80+

Clients

20%

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Leipzig



DR. STEFAN BORDAG

PERSON + JOB

Director of Research

Stefan Bordag has extensive experience in research and integrating statistical learning methods. He is an experienced teacher and consultant, having taught both basic and advanced courses such as Text Mining for many years at the University of Leipzig. He also advised high-tech companies in the field of Natural Language Processing. Stefan joined the ExB Group as Director of Research in 2011.

TALK

AI helps to use more data helps to make more AI

Buzzwords like Machine Learning, Artificial Intelligence and Natural Language Processing (NLP) are on everyone's lips. What is actually behind it? And how will these technologies be used for business processes now and in the future? In this session the audience learned more about the basics of NLP and real-world scenarios developed by ExB. There is no artificial intelligence without human intelligence. ExB team members gave you an insight in one of the most exciting questions these days: "How to build the ultimate Versteh-maschine?", including a live demo.

COMPANY

ExB Group



The ExB Group is active in AI research and software development and employs more than 75 researchers, developers and designers in Munich and Leipzig.

As one of the pioneers in cognitive computing, we specialize in adaptive software for large-scale processing and analysis of unstructured and structured text and image data.

Our goal is to create the ultimate "Verstehmaschine": a cognitive system that sets new standards in machine learning and opens up new perspectives for many industries in automated knowledge and document processing.

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[#COGNITIVE COMPUTING](#) [#NATURAL LANGUAGE PROCESSING](#) [#MACHINE LEARNING ALGORITHMS](#)



CEYHUN A. DERINBOGAZ

PERSON + JOB

Leipzig AI Artificial intelligence Meetup

Ceyhun is an Entrepreneur who is passionate about Artificial Intelligence, Economy, Sustainable Businesses and Renewable Energy. He occasionally writes about A.I., tech and business, furthermore he organises the Leipzig AI Artificial intelligence Meetup.

TALK

How to make an AI to trade on Financial Markets

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BORIS DENISENKO

PERSON + JOB

Senior Software-Engineer at Appsfactory

Boris Denisenko works since February 2019 as a Senior Software Developer Android at Appsfactory. Before that he was about 2 years at Mapbox (Minsk, Belarus) as Senior Software Engineer and Lead Mobile Developer. Boris has over 13 years of experience as a computer engineer in mobile, embedded and web applications development. He has been involved in over 30 application projects in various segments from telecommunications to automotive and got multiple achievements like the App Design Award 2014. His hobbies include IoT and Machine Learning Technologies.

TALK

Artificial intelligence in your pocket or what your Phone can see

In the current advent of Machine Learning it's all about Cloud Computing. However due to recent development in mobile chip design everyone of us holds a decent calculation machine in our hands. Boris showcased how this power can be used for state of the art computer vision tasks without Internet connection and no (Cloud) costs.

COMPANY

Appsfactory



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CHRISTIAN DIETZMANN

PERSON + JOB

Research Associate and PhD Candidate

Christian develops an AI impact model within the research consortium "Competence Center Ecosystems" to derive organizational impacts of AI and implications on e.g. competences and decision making.

TALK

AI Research in Business Informatics

AI research in Business Informatics is a science between two worlds. To connect both the technical and the human viewpoint, I combine a functional with a psychological perspective to characterise AI-based applications and their impact on the organizational structures.

COMPANY

Business Engineering Institute St. Gallen AG



The Business Engineering Institute performs practice oriented research on Business Ecosystems, Digital Transformation and Disruptive Technologies. Together with the universities of St. Gallen and Leipzig we analyze and consolidate technological trends.

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#RESEARCH #CONSULTING



ANDRÉ NAUMANN

PERSON + JOB

Geschäftsführender Gesellschafter / Softwareentwicklung

I got in contact with Machine Learning in the year of 2007 and never lost touch again. Started with complex classification algorithms I learned that AI has many more to offer. In the last 13 years I developed Recommender Systems, Image Recognition Networks and many software solutions in NLU. AI had me from the beginning and being part of creating a new work future is really exciting.

TALK

Neural Style Transfer

Neural Style Transfer creates art by using a style picture of a (famous) painter and on the other hand an own content image the style of the artist should be applied to.

COMPANY

we-do.ai GmbH



we-do.ai

The company we-do.ai develops various AI solutions for big companies to pave the path towards innovation and also digitalization. Recommender Systems, NLU, Chatbots, Phonebots or Document Recognition is only an short abstract of our portfolio.

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#PHONEBOTS #NATURALLANGUAGEGENERATION #AIGENCY



DR. JOCHEN TÖPFER

PERSON + JOB

Head Data & Analytics

Dr. Jochen Töpfer is a strategist, thought leader, coach and consultant on topics in Business Intelligence, Data Analytics, Customer Centricity, Business Ecosystems and Cognitive Business for more than 25 years. In various positions at international

Leipzig

consulting companies and solution providers, he gained experience in different industries, which pursue the goal of generating added value from data and analytics.

TALK

Data Science for the Enterprise

Why do only “25% of organizations have an enterprise-wide AI strategy.” (IDC)? Underlying enterprise data is infrastructure, and nobody is accountable. The Chief Data Officer (CDO) needs to drive the support of AI! The scope of the role, the structure of the office and prioritization of the initiatives changes the game.

COMPANY

Business Engineering Institute St. Gallen AG



The Business Engineering Institute St. Gallen performs practice-oriented research and consulting on Business Ecosystems, Digitalization, Business Architecture, Transformation and Disruptive Technologies.

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#DECISIONINTELLIGENCE #ECOSYSTEM
#DATA #DATASCIENCE #ANALYTICS



ALEXANDER UHLIG

PERSON + JOB

CEO

Alexander holds a physics master and a philosophy Ph.D. degree and currently works as CEO of his co-founded company getML.

TALK

Jump-starting the deep learning revolution on relational business data

Alexander gave an insight on how to work with relational data using the ML tool. This tool features flat tables and enables you to build top performing Machine Learning solutions without the need for expert knowledge and programming skills.

COMPANY

getML



getML builds innovative Machine Learning/ AI algorithms for company data. They are experienced in information Systems, Statistical Software , Deep Learning, Research, Relational Data, Artificial Intelligence, Big Data, Relational Learning, Medical Solutions, High Frequency Trading, Automotive, InsurTech, Industry 4.0 and e-commerce

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With 200 members in their Alumni, AI Monday represents one of the most attractive reoccurring happenings in the area.

You can check the agenda of our next sessions here:

www.ai-monday.de/leipzig.



DR. ING. ANDREAS HANTSCH

PERSON + JOB

Senior Technology Advisor

Senior Technology Advisor, Project Leader, Modelling Engineer, Tech Enthusiast, Speaker, Author.

TALK

From Digital Twin to Predictive Maintenance

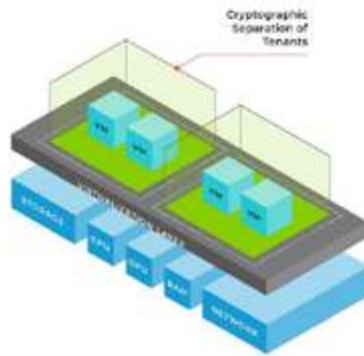
New hardware systems usually lack of measurement data for machine learning applications, especially for fault detection and predictive maintenance. However, simulation techniques are commonly employed for speeding up the development process but are rarely utilised afterwards. This talk answers the following question: How to couple the simulation model gathered in a digital twin and a machine learning predictive maintenance algorithm. In the end, the talk provides a work-flow for this procedure and the results of digital twin, predictive maintenance algorithm, and experiments will highlight the points where to look closer at.

COMPANY

Cloud&Heat Technologies GmbH



INFRASTRUCTURE AS A SERVICE POWERED BY **SecuStack**



Cloud&Heat Technologies has been continuously working on improving cloud operations since 2011.

Started with vanilla OpenStack, the Dresden based company soon moved on to develop a security hardened OpenStack extension: SecuStack. With years of experience in cloud infrastructure operation (both software and hardware), Cloud&Heat is now offering Managed Kubernetes based on SecuStack cloud environments (see figure) providing both maximum security and convenience.

This enables our customers to fully concentrate on their own AI challenges, while we take care that the environment is available. The complete IT infrastructure is being operated and maintained by ourselves and is solely located in Germany. The cluster management software Kubernetes provides methods and tools that support data scientists in developing efficient machine learning applications. Containers orchestrated by Kubernetes and the resulting isolation of workloads make it easy to develop traceable and reproducible AI experiments. Cloud&Heat K8s experts can support you with the migration and management of the Kubernetes environment.

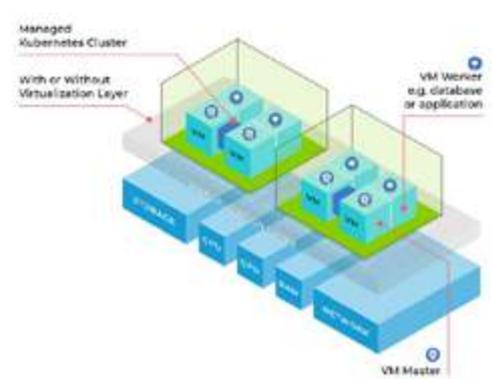
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#MANAGEDKUBERNETES #PREDICTIVE-MAINTENANCE #ENERGYEFFICIENCY #TAILOREDINFRASTRUCTURES

MANAGED KUBERNETES



IN BRIEF, THE BENEFITS ARE:

- 1 Flexibility to scale as your business grows
- 2 Hardware optimised for machine learning
- 3 GDPR-compliant and security hardened data center
- 4 Sustainability with liquid cooling and waste heat recovery
- 5 Technical support 24/7
- 6 Local data center and Kubernetes experts

München

Munich is the city with the 2nd most AI Startups in Germany (after Berlin).

AI STARTUP COUNT

95

BERLIN

61

MÜNCHEN

14

HAMBURG





Munich is and has been a city with many IT and Software companies.

So it is no surprise that Munich is also a hub for AI and Data. Munich is the city with the 2nd most AI Startups in Germany (after Berlin). Some important players are located here like AppliedAI – part of UnternehmerTUM. The company is one of the largest initiatives in the EU to support AI developments supported by larger corporates like Google, SAP, Porsche, Nvidia, Allianz und Siemens. But also larger corporates have hubs in Munich as the well known IBM Watson Center, Microsoft or the Siemens AI Lab, to only name a few.

Munich has also a vibrant events ecosystem around AI and with AI Monday we have been adding one more. On September 21, a day before the famous Startup Safari took place in Munich. We were honored to be invited to Wayra's modern startup accelerator space – the world's most global, connected & tech-driven Open Innovation Hub, owned by the Telefonica corporation. Surrounded by the busy startups running through the 100 day venture development program Wayra offers, we held our first AI Monday in Munich.

Its surely will not be the last.
Stay tuned for some more events in 2020.

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ALL SPEAKERS IN MÜNCHEN

MICHAEL HANF Executive Partner @ Taival	108
SVEN ROSSMANN Manager and Head of Innovation Labs @ Porsche Consulting	109
ZINONAS ZINONOS Senior Consultant @ Ventum Consulting	109



MICHAEL HANF

PERSON + JOB

CEO & Executive Partner at
Taival Advisory

With more than 17 years in business and technology consulting, Michael has deep experience in helping companies deliver and navigate disruptive change. He is one of the co-founders and CEO at Taival Advisory.

TALK

Lean AI Technology Exploration
Framework – a client case

To utilize the business benefits AI provides, it is critical to identify the right solutions and engage business stakeholders in the identification of relevant use cases. Taival's client was looking to rapidly identify relevant AI technologies and solutions in order to develop a catalogue of relevant, proven solutions for their business organization. Taival worked closely with the client to develop a Lean AI Technology Exploration Framework that accelerates the AI technology and start-up exploration. Utilizing Taival's AI start-up database with 3.600 AI start-ups the framework was then tested by identifying 5 PoC candidates for further evaluation.

COMPANY

Taival Advisory



Business is all about the conquest, the great exploration and the constant hunt for greater heights. The business landscape is more complex and challenging than ever before. That's why we upgraded the concept of strategy to meet the demanding needs of today's digital age adventurers. We are Taival, your Sherpas in epic business adventures.

CONTACT

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WWW.TAIVAL.COM

#TAIVAL #CLIENT CASE



SVEN ROSSMANN

PERSON + JOB

Manager and Head of Innovation Labs at Porsche Consulting

Sven Rossmann, Manager at Porsche Consulting, has studied at the technically university of Darmstadt. He worked as an external consultant in digital communication at Infraserv and as venture Partner at Bridgemaker, a Berlin based company builder in the digital technology space.

TALK

Industrial AI: A game changer of operations and organizations

COMPANY

Porsche Consulting

Porsche Consulting

At Porsche Consulting we are a leading consultancy for putting strategies into practice. We have a marked impact on the businesses where we work with measurable results, solutions in place with lasting effects and clients eager to own our approach. As consultants we think strategically and pragmatically. We focus on the people and that is how we gain competitive success.

CONTACT

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WWW.PORSCHE-CONSULTING.COM

#PORSCHE



ZINONAS ZINONOS

PERSON + JOB

Senior Consultant at Ventum Consulting

Zinonas Zinonos habilitated in Experimental High Energy and Particle Physics and worked as a postdoctoral research fellow at renowned institutions like the Max-Planck-Institut for physics and Georg-August Universität.

Recently, he joined Ventum consulting as Senior Consultant.

TALK

A glimpse of AI in fundamental research and prospects for real-life problems

Zinonas Zinonos started by giving us some introduction where we can find AI in our life. He explained the paradigms in fundamental research and business process and how

machine learning can be used for Quality Data Acquisition. He clarified the parallelism between rare physics phenomena and the real-life business problems.

COMPANY

Ventum Consulting



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WWW.VENTUM-CONSULTING.COM/DE

#MACHINE LEARNING #DATA ACQUISITION

#QUALITY (DAQ)

Málaga

The Andalusia
Technology Park (PTA)
with



600

companies
and

20000

employees



is one of the most important
economic centres in the
South of Spain

Capital of the province of Málaga, at the coast of Costa del Sol is the sixth most populous city in Spain. It's history spans back 2800 years, making it one of the oldest cities in Europe. It also has a university that was set up on 1972.

Although best known as a beach destination for tourists, technology services are one of the main business sectors of the area. The Andalusia Technology Park (PTA) is located in Málaga, and has seen significant growth since it's inauguration in 1992. Currently it is one of the most important technological parks in southern Europe, and is seen as one of the most important economic centres in the South of Spain, with over 600 companies and 20000 employees. It concentrates on incubation and development of new technologies such as connected vehicles, artificial intelligence and IoT. "AI Monday goes Málaga"-event was organized with the cooperation of the University of Málaga and PTA as part of a hackathon aimed at creating new ideas for a selected group of Finnish companies, which were looking to offshore some of their research and development activities. The event overall showed the extraordinary energy and skill of the local technology community and especially the participating students with innovative, concrete solutions to client problems and enthusiastic work that lasted through to the morning hours. The results were also extraordinary – in two days the students took the raw data provided by the customers and, using various machine learning and data analysis methods were able to create new ways of solving e.g. electricity spend prediction and recruitment skills matching problems.

The AI Monday itself was almost like a reflection of the area itself – a healthy mixture of local talents and global skills mixing to produce a great crossfunctional result. The presentations ranged from overall analysis of AI impact on society by a best selling author on AI to philosophical discourse on the ethical questions of AI, invoking a healthy discussion between the audience and the presenters.

The Málaga experience highlights the potential of the AI Monday movement to bring together people of various backgrounds, cultures and communities to solve the problems of both business and academia in a novel way. And what could be a better place for doing this, than a city with it's roots in history but it's head in the modern technology clouds. ¡Viva Málaga!



Málaga



CALUM CHACE

PERSON + JOB

Speaker and writer on Artificial Intelligence

Calum Chace is an English writer and speaker, focusing on the likely future impact of Artificial Intelligence on people and societies. He is the author of *Surviving AI*, *The Economic Singularity*, and the philosophical science fiction novel *Pandora's Brain*.

TALK

Economic Singularity

CONTACT

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JOSÉ F. ALDANA

PERSON + JOB

Full Professor en University of Málaga

José F. Aldana is a professor in the area of computer languages and systems. He is the head of the Khaos research group, that focuses its research activity on the management, integration and analysis of data and Big Data.

TALK

Impact on society by AI based on data

COMPANY

University of Málaga



UNIVERSIDAD DE MÁLAGA

CONTACT

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WWW.UMA.ES



REKO LEHTI

PERSON + JOB

CTO & Managing Partner

Reko Lehti is a partner in Taival, a business strategy advisory. He has previously worked for a major management consulting company and as the CTO for a Finnish beverage retailer.

TALK

Business Impact of AI

COMPANY

Taival Advisory Oy



CONTACT

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VÍCTOR F. MUÑOZ

PERSON + JOB

Rector at Campus of
Excellence Andalucía
TECH / UMA



ANTONIO J. DOMÉNECH

PERSON + JOB

Doctor in Social Anthropology
at UMA

Professor Victor Muñoz holds the position of rector representative for the Campus of Excellence Andalucía TECH and Antonio J Doménech is a doctor in social anthropology.

TALK

AI and Ethics

COMPANY

University of Málaga



UNIVERSIDAD
DE MÁLAGA

CONTACT

WWW.TINYURL.COM/SU90WCN

The AI Monday itself was almost like a reflection of the area itself – a healthy mixture of local talents and global skills mixing to produce a great crossfunctional result.

Copenhagen



For next events visit:

www.ai-monday.dk/

By 2025, the vision is to be a world leader in responsible and ethical use of AI – where the right to privacy, security and transparency takes first place.

AI Monday in Copenhagen

Copenhagen's first AI Mondays event happened on Feb 17th 2020 at the premises of the Danish Design Center. Mike Brandt and Jonas Wenke from the AI Design company 33A are running the Copenhagen chapter.

AI is also an important and rising topic in Denmark and the country has established an own "National Strategy for Artificial Intelligence". By 2025, the vision is to be a world leader in responsible and ethical use of AI – where the right to privacy, security and transparency takes first place. One important element of Denmark's National Strategy for Artificial Intelligence is to develop an open-source Danish language model.

"A common Danish language resource will be established to support and accelerate the development of language-technology solutions in Danish. The language resource will be freely available, enabling suppliers to build on existing knowledge to create new solutions within voice recognition and language understanding to benefit citizens, authorities and businesses."

Another important topic is ethics. Danes are sensitive to ethical questions. So in the Danish AI strategy ethics considerations are an integral part. "Ethical principles will be set as the framework for the development and use of artificial intelligence." Denmark has also a long experience of collecting and managing social, economic and environmental data.

And tops the Open Data Watch global ranking for the quality, coverage and openness of its statistics. So it plans to provide more open public-sector data for artificial intelligence.

"In collaboration with the businesses and research communities, the ambition is to identify five public-sector datasets during 2020 and 2021, which can be made accessible for businesses, researchers and public authorities and contribute to developing artificial intelligence. This public data will not be personal data but for example environment and climate data, or location data in the transport area."

Kristine Helen Falgren, Tech Special Advisor of Invest in Denmark sums it up very well: "One of the best ways to use AI responsibly is for public and private sector institutions to collaborate. In Denmark, there is a strong tradition for such partnerships and Denmark has some of the best researchers within AI and machine learning in the world – for example within Natural Language Processing. This is one of the reasons why, companies like Eldor Technology from Norway has chosen to place their AI R&D activities close to one of the largest Danish universities."

With those unique characteristics of a country getting into AI, a city like Copenhagen with its emphasis on Design and Creativity and this large community of corporates, universities and smart people, we are very much looking forward to more AI Mondays!

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ALL SPEAKERS IN COPENHAGEN

BERIAN JAMES Head of Data Science & AI @ Maersk	118
KRISTINA GRÖNVALL Expert Business Developer, AI Strategy & Acceleration @ Nordea	118
NATASHA FRIIS SAXBERG Chief Executive Officer @ The Danish ICT Industry Association	118
CHRISTIAN LYTHJE VILLUM Director of Digital & Future Thinking @ Danish Design Centre	119

Organizer

APPLYING AI IS NEVER PLUG-AND-PLAY BUT ALWAYS CUSTOMISED. THEREFORE, COLLABORATION IS NEEDED BETWEEN BUSINESS PEOPLE BRINGING IN THEIR DOMAIN KNOWLEDGE AND AI EXPERTS. WE BRING THEM TOGETHER ONLINE WITH TOOLS TO DEVELOP AI APPLICATION CONCEPTS FOR THEIR COMPANY.

WE ARE AN AI DESIGN FIRM SUPPORTING COMPANIES IN THEIR TRANSFORMATION TOWARDS AI.

33A

WWW.33A.AI

We do this with the AI Design Sprint™

At an AI Design Sprint™ teams develop AI application concepts for their company, get smarter about AI, and board members see the strategic and tactical impact of AI. From 30 minutes to 3 days.

Instead of looking at a few use cases teams consider all present AI technology, and instead of a passive role at a presentation by an AI expert business decision-makers and their team collaboratively develop with an AI expert AI applications for their company. The AI Design Sprint™ is a design tool out of paper and a workshop format, this allows anyone to participate, no prior technical knowledge necessary.

In the fall 2017 Mike launched the AI Design Sprint™ at Copenhagen Techfestival and led AI Design Sprints™ around the world. Jonas, a brilliant service designer, then joined and they brought the AI Design Sprint™ to the next level and developed different versions for different areas to apply AI at a company.

Today 33A is a team of designers, AI experts, and facilitators that help companies getting started with AI, and they help build the solutions as well. 33A is most likely the only AI design firm. And they are most likely the only ones helping teams in organisations develop AI application concepts together as a team and together with AI experts.



MIKE BRANDT

PERSON + JOB

Designer for AI, Cofounder,
CEO @ 33A, Author

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JONAS WENKE

PERSON + JOB

Service Designer, Cofounder,
@ 33A

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Copenhagen



BERIAN JAMES

PERSON + JOB

Head of Data Science & AI
at Maersk

TALK

Reflections and Learnings
from AI projects at Maersk

Berian shared a story from Maersk; by re-designing the shipping pricing process they have re-shaped and disrupted the business model across the industry.

COMPANY

Maersk



Maersk is the world's largest shipping company, responsible for 20% of global trade and transforming into an industrial digital giant connecting land, sea and port assets. Berian leads a software and data science group that builds products for network and hardware asset optimisation, customer experience, supply chains and IoT. Apart from external-facing product work, his mission is to bring AI and data capability fully into Maersk's business and operations.

CONTACT

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[WWW.MAERSK.COM](https://www.maersk.com)



KRISTINA GRÖNVALL

PERSON + JOB

Expert Business Developer,
AI Strategy & Acceleration

Passionate and value driven AI Strategist and senior business developer with experience in implementing data driven technologies (machine learning applications, chatbot) in a large corporates, creates new operating models and is driving organisational change. She is currently developing a Responsible AI framework in Nordea and coordinating a portfolio of three AI projects (Financial Crime Prevention, Credit and Infrastructure). She speaks at conferences at regular intervals and enjoys to network, promote and share her learnings in Nordea.

TALK

AI at Nordea

Kristina shared her reflections from the work at Nordea. She emphasized that none of the real issues you can be facing can be solved by technology itself; it is how to reinvent your business models, processes, and how to change our a MINDSET that matters. She also discussed how important it is to adapt governance models to "fit-for purpose explainability", and stay true to your values, when moving over to letting systems determine the rules for us.

COMPANY

Nordea



Nordea is a European financial services group operating in northern Europe and based in Helsinki, Finland. The bank is the result of the successive mergers and acquisitions of the Finnish, Danish, Norwegian and Swedish banks of Merita Bank, Unibank, Kreditkassen (Christiania Bank) and Nordbanken that took place between 1997 and 2000. Nordea operates across both the Nordic and Baltic regions with over 1,400 branches. The bank is present in 20 countries around the world, operating through full-service branches, subsidiaries and representative offices, although it primarily provides services in Finland, Norway, Denmark, Sweden, Estonia, Latvia and Lithuania.

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NATASHA FRIIS SAXBERG

PERSON + JOB

Chief Executive Officer
at The Danish ICT Industry
Association

Author, digital strategist & entrepreneur. Natasha has worked with startups, innovation in large organizations & technology for more than two decades, helping brands & corporations develop their digital strategies and new growth. I worked in NYC for two years helping startups enter the US market & hosted the TV show Tech & the City from Nasdaq. I have spent four years in corporate venture, as Head of Future Growth in Atea, and as Head of

Venture Development at Maersk, Growth. She has been appointed three times as one of the most influential women in technology in Europe, & one of the top 100 most influential women in Denmark in 2018.

TALK

AI in the techtonics twenties

Natasha shared insightful thoughts on macro perspectives as CEO at IT-Branchen. She urged us to be problem obsessed and highlighted that our biggest risks in EU is lack of speed and imagination.

COMPANY

The Danish ICT Industry Association

IT-Branchen



The Danish ICT Industry Association represents +700 ICT companies and is the largest independent representative for the ICT business community in Denmark. They represent the business executives who understand that their position obliges, and are a community that takes responsibility in relation to the Danish society.

CONTACT

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WWW.ITB.DK



CHRISTIAN LYTHJE VILLUM

PERSON + JOB

Director of Digital & Future Thinking

Driven by a keen interest in exploring new boundaries for strategic design, Christian Villum's work as Director of Digital & Future Thinking at the Danish Design Centre examines new ideas in the span between technology and design thinking.

With a background in maker technology, new business models, sharing cultures, open data and open design, internet culture and hacktivism, he enjoys developing communities and bringing people together to share new ideas and generate change.

His work explores future currents in technology from a design perspective, and includes, among other things, programs for new open source business models for manufacturing, establishment of global Fab Cities and human-centric approaches to technology. He is a frequent public speaker, blogger and was the editor and co-writer of the book 'Open Source City' (2016).

Christian's previous work includes co-founding and heading the experimental Platform4 Art & Technology hub, being a frontrunner in the use of Creative Commons content licenses, building global communities for the UK-based non-profit organisation Open Knowledge Foundation and initiating a wide range of companies and projects.

TALK

Importance of Design Principles

Christian brought attention to the usability of design principles when implementing new technologies (including a lovely reference to "Ethics-by-design").

COMPANY

Danish Design Centre

Danish Design Centre

The Danish ICT Industry Association represents +700 ICT companies and is the largest independent representative for the ICT business community in Denmark. They represent the business executives who understand that their position obliges, and are a community that takes responsibility in relation to the Danish society.

CONTACT

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WWW.DANSKDESIGNCENTER.DK

Curious and eager to join? Mark your calendars!

THE SCHEDULE OF AI MONDAY EVENTS IN 2020.

Berlin

- **May 11**
Virtual or @ SAP Data Space,
Satellite Event of "Rise of AI"
Conference
- **June 22**
Topic: "AI and Retail"
- **Sep 7**
- **Nov 2**
- **One additional event**
Topic: "AI & the Energy Sector"
@ 50Herz Berlin
(moved due to Corona)

Leipzig

- **Jun 8**
- **Sep 14**
- **Nov 30**

Stuttgart

- **April 27**
@ CLASSIC CAR REFUGIUM
- **July 6**
- **Okt 5**
@ CyberValley Tübingen
- **Dec 7**

Helsinki

- April 20 @ Maria01
- May 11
- More events TBD

Copenhagen

- April 20 Virtual Event

Ruhr

- Pending current developments around Corona

• STAY IN THE LOOP

Subscribe and get notified on upcoming events:
www.ai-monday.de/#subscribe

• WANT TO BE A SPEAKER?

Have something to say? Whether it's a new AI use case, some exciting project experience or a new invention. We welcome everyone to share – from Corporate, Startup, Science or Education. Even political. Just not boring. Always English. 15 min Talking + 5 min Q&A.

• Get in touch

via www.ai-monday.de or email to mail@ai-monday.de

Impressum



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- **Finland** www.ai-monday.fi
- **Copenhagen/Denmark** www.ai-monday.dk
- **Germany** www.ai-monday.de

Videos of all Finnish Events can also be found here:

- www.tekniikkatalous.fi/haku/ai%20monday



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Michael Hanf
Reko Lehti
Jan Nowak
Charlotte Seiler
Oliver Ewinger
OMQ Team
(Cluster Map of companies)

ART DIREKTION & GRAFIK

Martina Vierthaler



This poster will not shape the future of retail technology.

Your startup will.

We are looking for technology startups with solutions that have the potential to transform the retail landscape. Together we will drive projects to validate your innovations for the implementation at ALDI SOUTH Group.

Connect and work with us:

innovation.aldi-sued.com

#ai_berlin

Artificial Intelligence in Berlin

**Where innovators
and thinkers shape
the future**

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